2012

CITY OF MULVANE

ANNUAL REPORT

2012
YEAR END REPORT

CITY OF MULVANE
ADMINISTRATION DEPARTMENT

Kent Hixson, City Administrator
Patty Gerwick, City Clerk
Sharon Phipps, Accts. Payable Clerk/City Treasurer
Cathy Walker, Budget/Accounting Clerk
Ray Fleming, Building & Zoning Administrator
Debbie Parker, Utility Billing Clerk
Julie McCullough, Customer Service/Webmaster
Debbie Plew, Court Clerk
Jeri Myers, Senior Citizens Director

2012 ANNUAL REPORT
Administration Department

Goal of the Department

The goal for the Administration Department is to provide our customers (citizens, vendors and other department personnel) with the best possible service in the most efficient and timely manner.

Status of the Department

The Administration staff worked approximately 18,200 hours in 2012. Overtime hours worked in 2012 were very minimal and were mostly for Municipal Court. Sick leave used in 2012 was up compared to 2011. A total of 455 hours was used as compared to 247.25 hours in 2011. The nine employees in our department have a combined total of 175 years of experience. They range individually from 31 years of service to 6 years of service.

The Senior Center continues to grow. We are still classified as a Senior Center Level 1 for funding purposes through Sedgwick County and receive $18,000 each year. Jeri has met all the requirements for a Senior Center Level 2 classification which would increase our funding to $35,000 annually from Sedgwick County but funds are not available to support that change.

Human Resources continues to be very active. We hired 60 new employees in 2012, 7 full-time and 53 part-time/seasonal. I prepared a total of 148 W-2's to distribute for 2012. We had 1 full-time employee retire with 25 years of service to the City and 2 other full-time employees leave in 2012.

In 2012 I attended the annual City Clerk's Spring Conference in Wichita, the International Clerk's Conference in Portland, OR and the fall Clerk's Academy in Wichita. This allows me to keep up to date on legislative changes that affect the City as well as keeping current with my Master Municipal Clerk Certification.

Credit Card useage continues to increase. Offering that option to pay bills and take care of other city business has be well received by our customers.

The Administration staff has compiled the following statistical reports to reflect the duties and responsibilities of each individual in the department. I hope this will be helpful reference material for you when visiting with the citizens.

Thank you for your continued support.

Patty Gerwick
City Clerk

FINANCIAL ANALYSIS REPORT

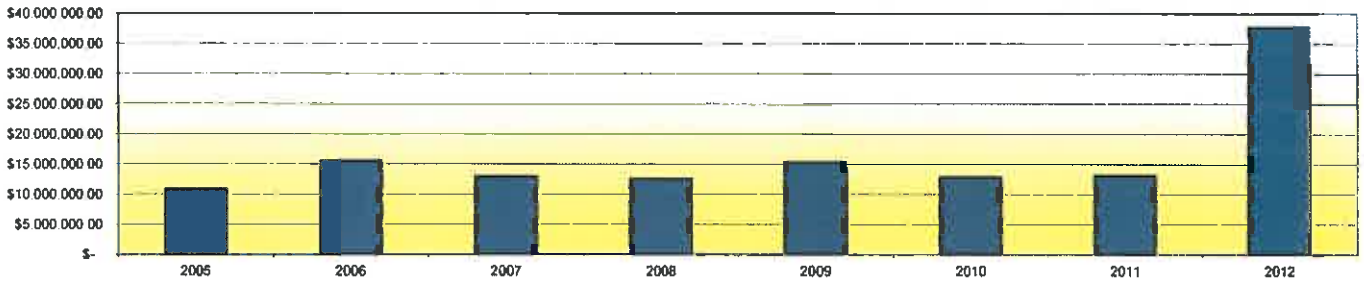
12/31/12

Prepared by Cathy Walker

REVENUES

	2004	2005	2006	2007	2008	2009	2010	2011	2012
January	$ 1,395,191.27	$ 1,577,964.28	$ 1,844,539.53	$ 2,005,954.09	$ 2,024,173.04	$ 2,024,173.04	$ 1,930,365.77	$ 1,886,528.84	$ 5,955,746.57
February	$ 859,755.67	$ 567,181.25	$ 728,150.02	$ 782,521.68	$ 598,312.27	$ 697,016.53	$ 693,066.34	$ 1,100,318.04	$ 851,182.12
March	$ 569,197.52	$ 543,260.82	$ 805,619.54	$ 842,835.71	$ 872,268.29	$ 877,866.37	$ 991,922.52	$ 873,388.00	$ 15,601,520.06
April	$ 469,124.00	$ 510,432.63	$ 715,181.86	$ 713,966.81	$ 710,931.24	$ 3,806,167.02	$ 761,557.59	$ 784,105.51	$ 887,780.40
May	$ 674,170.05	$ 606,913.99	$ 1,229,620.01	$ 987,807.88	$ 679,683.00	$ 740,008.06	$ 715,219.45	$ 732,112.37	$ 910,410.03
June	$ 1,206,047.25	$ 1,624,029.27	$ 1,660,426.11	$ 1,656,084.24	$ 1,674,495.38	$ 1,685,795.10	$ 1,779,688.15	$ 1,709,241.06	$ 1,945,705.35
July	$ 621,195.93	$ 805,555.88	$ 1,214,755.46	$ 884,163.58	$ 1,017,425.36	$ 1,006,374.77	$ 987,676.62	$ 1,361,080.19	$ 1,086,239.60
August	$ 669,667.48	$ 918,710.07	$ 3,789,445.72	$ 956,395.63	$ 1,085,133.61	$ 834,421.02	$ 1,054,873.61	$ 1,091,967.78	$ 1,285,156.94
September	$ 535,607.50	$ 1,153,986.50	$ 1,170,281.66	$ 1,250,216.54	$ 1,039,257.99	$ 1,426,257.30	$ 1,134,616.29	$ 1,180,211.07	$ 1,215,378.77
October	$ 687,000.62	$ 839,803.55	$ 837,710.12	$ 773,747.66	$ 1,518,544.38	$ 744,506.38	$ 1,179,213.18	$ 874,231.05	$ 990,499.04
November	$ 470,016.60	$ 591,057.99	$ 659,792.66	$ 711,793.74	$ 597,213.26	$ 649,909.63	$ 697,878.23	$ 701,930.97	$ 5,711,957.40
December	$ 651,626.49	$ 1,126,678.80	$ 891,683.31	$ 1,374,154.23	$ 784,652.36	$ 836,066.49	$ 993,313.69	$ 869,720.01	$ 1,409,648.12
	$ 8,808,600.38	$ 10,865,575.03	$ 15,547,206.00	$ 12,939,641.79	$ 12,602,090.18	$ 15,328,561.71	$ 12,919,391.44	$ 13,164,834.89	$ 37,851,224.40

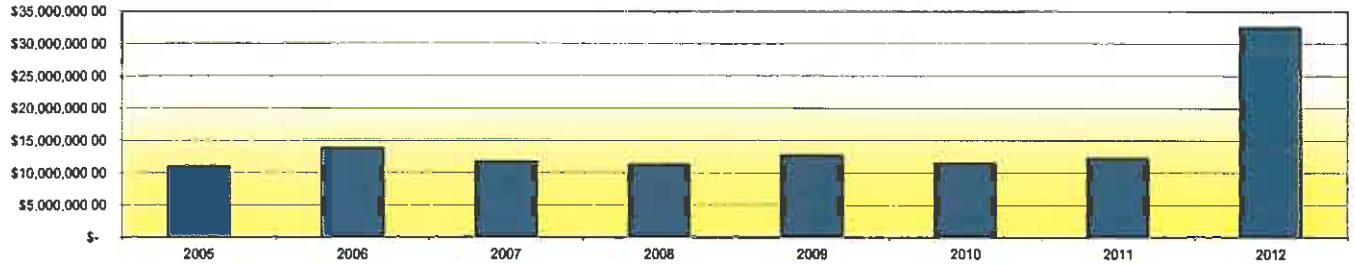
YTD REVENUES



EXPENSES

	2004	2005	2006	2007	2008	2009	2010	2011	2012
January	$ 503,213.40	$ 692,178.29	$ 809,112.20	$ 715,403.12	$ 670,804.44	$ 1,006,845.40	$ 1,021,369.49	$ 877,546.16	$ 944,074.53
February	$ 1,032,338.75	$ 515,526.67	$ 908,220.49	$ 810,667.77	$ 878,209.41	$ 805,976.24	$ 716,674.25	$ 763,710.78	$ 755,424.41
March	$ 646,958.69	$ 666,378.33	$ 700,831.78	$ 897,056.43	$ 831,932.00	$ 886,776.62	$ 1,024,443.14	$ 744,061.82	$ 15,501,592.32
April	$ 641,747.29	$ 521,269.98	$ 787,295.85	$ 653,105.79	$ 669,548.43	$ 1,933,281.16	$ 671,894.75	$ 1,032,131.12	$ 4,638,530.43
May	$ 741,535.75	$ 544,260.94	$ 1,117,985.35	$ 742,908.27	$ 692,487.06	$ 903,355.46	$ 861,220.21	$ 695,744.94	$ 1,051,442.78
June	$ 497,065.46	$ 1,501,498.38	$ 1,109,183.37	$ 804,267.63	$ 817,003.89	$ 715,481.13	$ 814,153.40	$ 702,603.69	$ 1,327,242.64
July	$ 670,877.44	$ 1,460,864.94	$ 1,525,809.92	$ 854,303.31	$ 1,720,997.60	$ 1,714,234.73	$ 1,715,499.62	$ 2,666,252.07	$ 2,005,786.32
August	$ 1,080,832.21	$ 951,811.91	$ 1,067,562.86	$ 1,785,388.12	$ 1,126,447.76	$ 937,372.33	$ 935,862.81	$ 1,064,729.22	$ 701,616.82
September	$ 867,561.08	$ 854,808.17	$ 3,447,378.48	$ 868,130.73	$ 793,079.78	$ 1,349,344.73	$ 946,669.63	$ 1,040,336.30	$ 838,515.85
October	$ 573,754.90	$ 562,785.15	$ 647,344.37	$ 939,536.47	$ 1,527,886.09	$ 765,439.83	$ 692,883.01	$ 693,172.45	$ 1,344,364.55
November	$ 592,422.92	$ 795,438.86	$ 612,627.16	$ 748,048.42	$ 532,207.12	$ 625,731.83	$ 794,527.02	$ 728,691.78	$ 1,976,040.34
December	$ 803,914.40	$ 1,971,722.50	$ 1,065,504.01	$ 1,823,077.15	$ 917,647.58	$ 1,001,170.43	$ 1,174,778.24	$ 1,169,628.64	$ 1,386,902.18
	$ 8,652,222.29	$ 11,038,544.12	$ 13,798,855.84	$ 11,641,893.21	$ 11,178,251.16	$ 12,645,009.89	$ 11,368,975.57	$ 12,180,619.97	$ 32,471,533.17

YTD EXPENSES



2012
PLANNING, ZONING AND CONSTRUCTION ACTIVITY REPORT

The following report is a compilation of the information from 2012 of the Planning Commission, BZA and the construction activity, including permits for new construction and remodeling activity.

In 2012 the Planning Commission met a total of 12 times.

PLATS, LOT SPLITS, AND VACATIONS

In 2012 the Commission did not considered any plats or lot splits

ANNEXATIONS

The only land annexed in 2012 was the right of way of 140th Avenue North, which is between the Kansas Turnpike and US Highway 81, south of the Kansas Star Casino.

ZONING AND SPECIAL USE CASES

Rezoning Applications:

In 2012 there were no zoning applications for the Planning Commission to consider.

Comprehensive Plan Amendment:

In 2012 the Planning Commission began the process of updating the Comprehensive Plan. The Commission developed a survey and it was mailed to 4,000 residents of Mulvane and residents who live in the Planning Area of Mulvane. The Planning Commission also approved an extension of the existing Comprehensive Plan through the year 2013 to give time for the completion of the updated Plan.

Information from the study KDOT is performing on the US Highway 81 and K-53 corridors will be incorporated into the new Plan when that study is complete.

In conjunction with the Corridor Study being performed, two (2) committees were created, a Technical Advisory Committee and a Steering Committee with representatives from Mulvane, Derby, Haysville, Wichita, and Sedgwick County, to develop what is being called the Sedgwick County Quad Cities Joint Area Plan. It is a study similar to the one between Mulvane and Derby to determine future planning area boundaries for each City west of Mulvane, between the river and Seneca and from 119th Street South up to 79th Street South. This Plan was expected to be completed by the end of 2012, but the Corridor Study has not been completed and that will be an integral part of the Quad Cities Planning Document.

Site Plans:

The Commission reviewed three site plans in 2012. They were:

1. USD 263 Munson Primary School
2. EMS Substation #2
3. USD 263 Grade School

The EMS facility was actually considered twice because of significant changes to the proposed site after the Plan was originally approved.

BZA ACTIVITY

The Board of Zoning Appeals considered one Conditional use to allow an accessory dwelling in a single family residential district.

One variance to reduce the front yard setback for an attached garage front yard setback reduction.

2012 CONSTRUCTION ACTIVITY

The following is a compilation of activity for permits compared to the years issued since 1990, unless otherwise mentioned. All information isn't available before that year. The charts include information from the previous ten years.

OVERALL CONSTRUCTION VALUATION AND PERMIT NUMBERS

As you know 2011 was a phenomenal year for construction for commercial permits and total valuation because of the permits issued for the event center, casino and the hotel. The number of permits issued in 2012 is down slightly from 55 in 2011 to 52. This is down from the

average of 72 permits. This consists of all construction activity, commercial, residential, including additions, remodel and new construction.

The good news is that the total construction value for 2012 was $8,800,000.00. The main reason for this number is the $7,000,000.00 valuation of renovating the event center for which the permit was issued. The average valuation per year since 1990 was $7.33 million dollars before 2011 when the permits for the event center, hotel and casino were issued. That made the average per year valuation increase to $10,100,000.00.

The 2012 valuation of $8.8 million dollars reflects about a 20% increase in valuation of the average per year valuation post casino permits, but it represents a 13% decrease including the year of the casino permits. This number is a yearly valuation data on permits issued since 1990.

As I have reported in the past years, Mulvane has never had a huge amount of commercial development. The past two years permit activity has been unusual because we have had mostly commercial permits causing the valuation to be higher.

SINGLE FAMILY DWELLINGS

2012 was another slow year for single family residential construction. In 2012, 6 permits were issued for single family dwellings. It is a decrease from the 2011 number in which 7 permits were issued for single family dwellings. It is down about 75% from the average per year since 1990 of 32 dwellings. The average size of the single family dwellings stayed about the same as in 2011 which was 1,600 square feet.

At the present time there are less than 10 residential lots available in the city limits that have all of the infrastructure installed and ready to build on. The lots that are available are to accommodate the moderate to larger size homes and not the smaller lower price range homes.

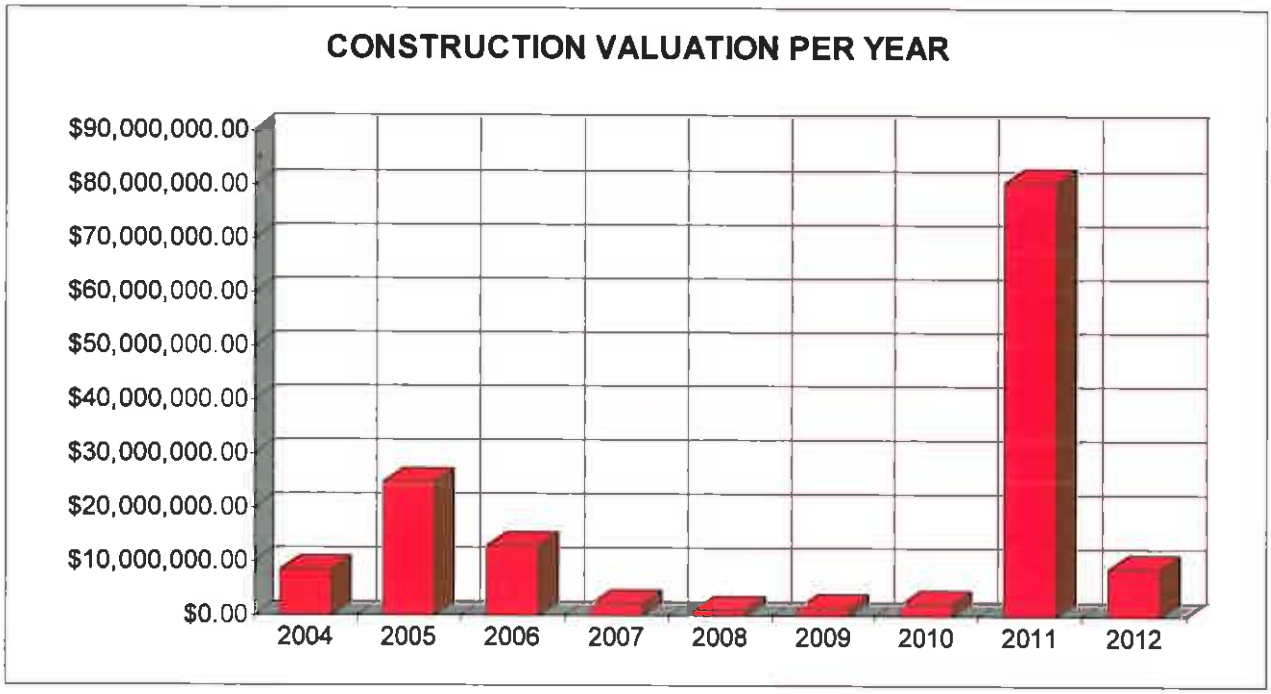
Looking ahead, 2013 will probably not be a very active year for single-family dwellings either. There are no new subdivisions being proposed at the present time. It would take several months for a new development to be platted and infrastructure to be designed and installed. There are fewer than 50 lots platted in Cedar Brook Subdivision that do not have infrastructure. It would take several months to design and install streets, sewer and water as well. It is not known if the developer of that addition is going to open up more ground in 2013.

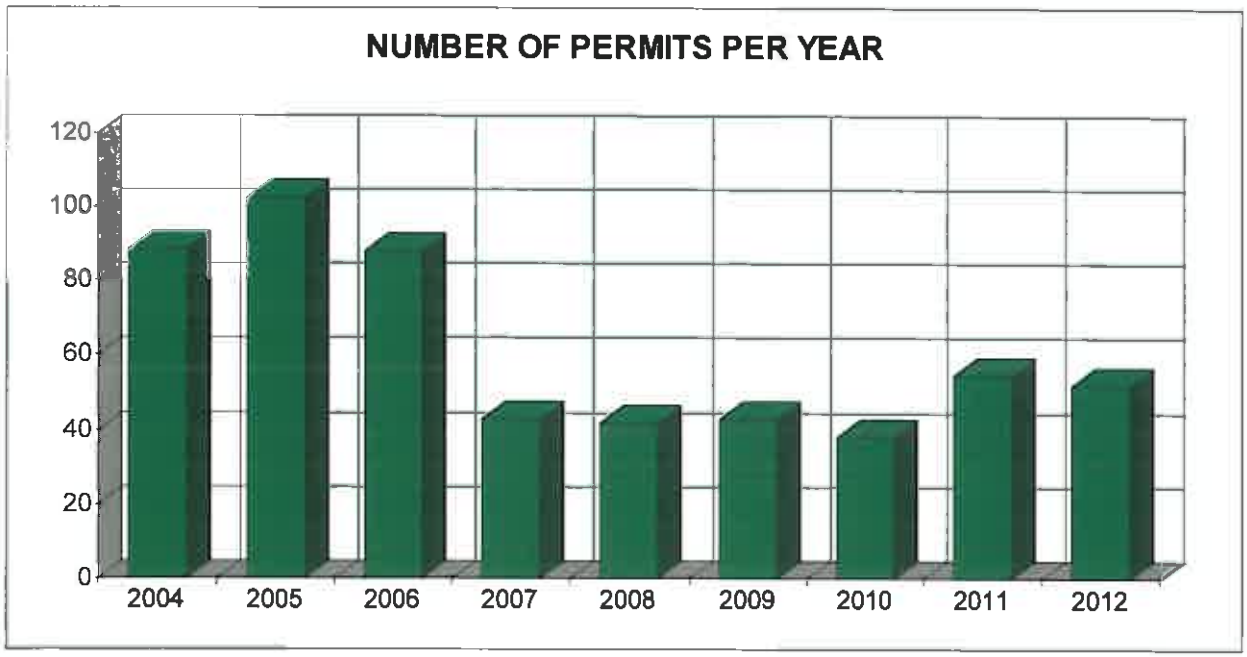
KANSAS STAR

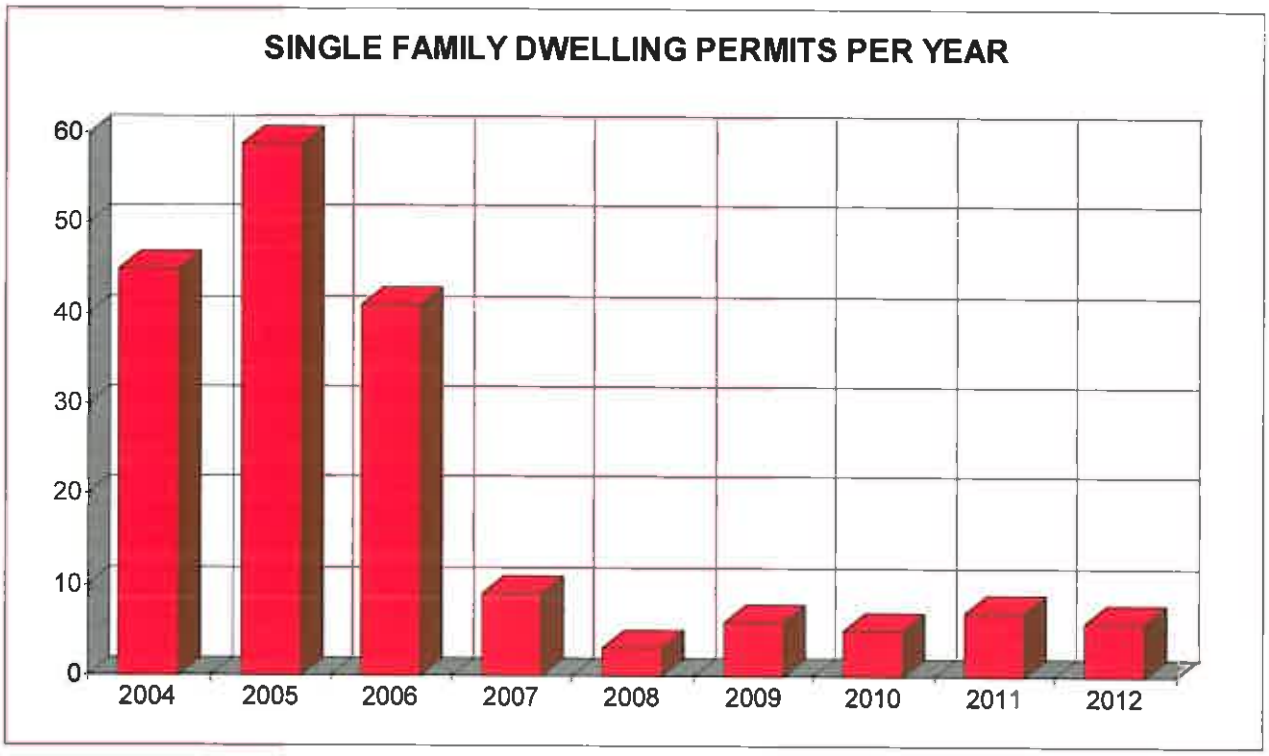
The phase 1A and 1B of the Kansas Star project, which is the casino and hotel, were completed in 2012 and both were opened to the public. Construction of the second phase of the hotel and the remaining stables or equine facilities is not expected to begin until late 2013 or early 2014.

Submitted for your information

Raymond Fleming
Building & Zoning Administrator


CONSTRUCTION VALUATION PER YEAR
$90,000,000.00
$80,000,000.00
$70,000,000.00
$60,000,000.00
$50,000,000.00
$40,000,000.00
$30,000,000.00
$20,000,000.00
$10,000,000.00
$0.00
2004
2005
2006
2007
2008
2009
2010
2011
2012


NUMBER OF PERMITS PER YEAR
120
100
80
60
40
20
0
2004
2005
2006
2007
2008
2009
2010
2011
2012


SINGLE FAMILY DWELLING PERMITS PER YEAR
60
50
40
30
20
10
0
2004
2005
2006
2007
2008
2009
2010
2011
2012

FUN FACTS FOR 2012
DEBBIE PARKER/UTILITY BILLING

- The amount of cash balanced to in the drive-thru window drawer was $3,252,574.82. This is a decrease of $742,998.23 from last year. We began offering online payments to customers in August 2010.

- There were 52 high water usage letters mailed out in 2012. This is an increase of 13 from last year. If we notice a customer has excessive water usage, we will notify them by letter of a possible leak. We are not required to notify the customer, but do this as a courtesy for the customer so any problems can be corrected promptly.

- There were 127 miscellaneous utility letters mailed to customers regarding difficulty or inability to read the meter, etc. This is an increase of 44 from last year. We will notify the customer one time. If the problem still exists the next month, the meter will be estimated. Estimations increase until the problem has been taken care of or a reading is obtained. We hope to educate the public on the importance of having safe access to the meters. This is important in case of an emergency situation such as a fire, as well as a safety issue with dogs. We have also begun letting the customer post their reading, call in, or e-mail the reading to us. This has worked very well. We double check these meters once a year for accuracy and to check for potential problems with the meter. We have also begun to send letters out making sure accounts are opened in the proper account holder's name.

- Total estimated meters in 2012 were 245. Readings provided by the customer totaled 366. We also changed 112 water meters and 73 electric meters in 2012.

- Annual interest paid to customers for their utility deposit on the December billing was $196.97. This is a decrease of $593.16 from last year. The interest rate paid on deposits for 2012 was .12%. This is a decrease from .50% paid in 2011. K.S.A. 12-822 requires a Kansas utility to pay interest on security deposits. The Kansas Corporation Commission establishes the rate on an annual basis.

- Utility write-offs in 2012 for the 2008 unpaid utility finals totaled $10,141.89. This is an increase of $5,153.33 from the 2007 finals written off the year before. The State Setoff Program has helped in collecting our final bills, and has kept our amount of utility write-offs down. This write-off amount includes $2636.42 in bankruptcy from the Mulvane Mobile Home Park.

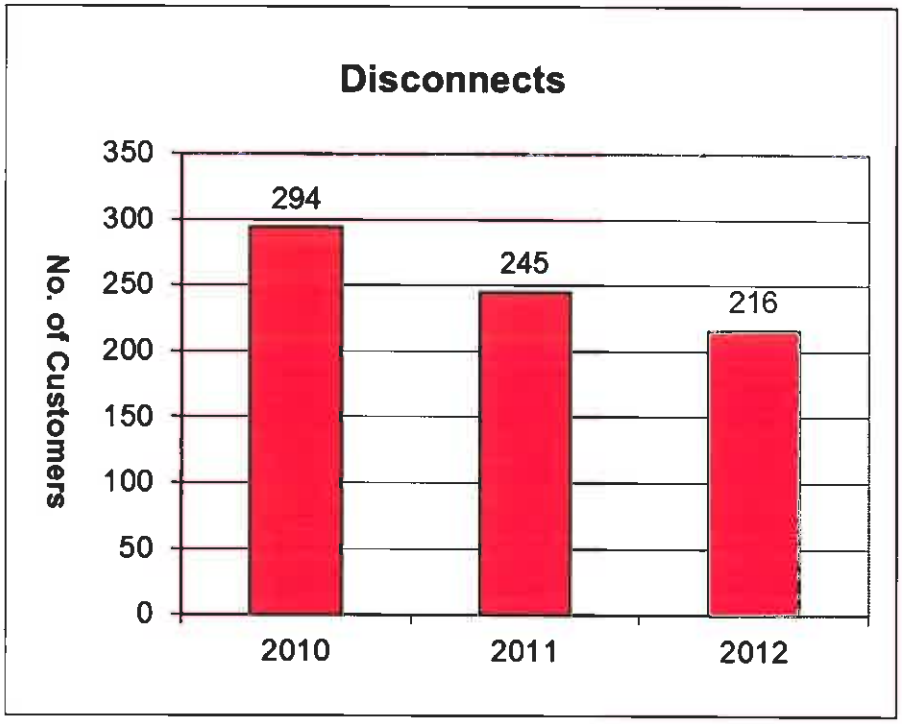
- Eleven (11) customers applied for their deposit refund in 2012 totaling $1,801.35 (including interest). Customers may request their

deposit back once they have paid their bill on time for 12 consecutive months. (This means payments would need to be received on or before the 5th due date.)

- We had 601 customers pay their final utility bill in full during 2012.

- We submitted 74 unpaid utility accounts to the State Setoff Program in 2012 in the amount of $21,587.98. Total payments received totaled $12,343.67 while commission paid was $2,325.65. This made a net recovery of $10,018.02. The net recovery increased by $23.91 from last year. We have seen an increase in customers skipping out and leaving 3 or 4 months' worth of utilities unpaid.

- We had 216 customers disconnected in 2012 for non-payment of their utility bill. This is a decrease of 29 customers from last year. Fifty three (53) of these customers were required to pay additional deposits totaling $7,775.00. This is a decrease of 7 customers from last year. We discontinued payment arrangements in October 2010. We did have two disconnects a month (One on the 20th and one on the 2nd for the arrangements). We now only have one disconnect a month. Our additional deposit policy was changed from the highest utility bill in the previous 12 month period to the highest residential deposit currently being charged. We also have a cap of $1,200.00 on residential deposits.



- In June of 2010 we began charging an administrative fee of $30.00 plus tax, to the customer's account if they did not have their bill paid by 8:00 am on the day of cut-off. Total administrative fees charged

in 2012 were $14,778.24. This is an increase of $264.54 from last year.

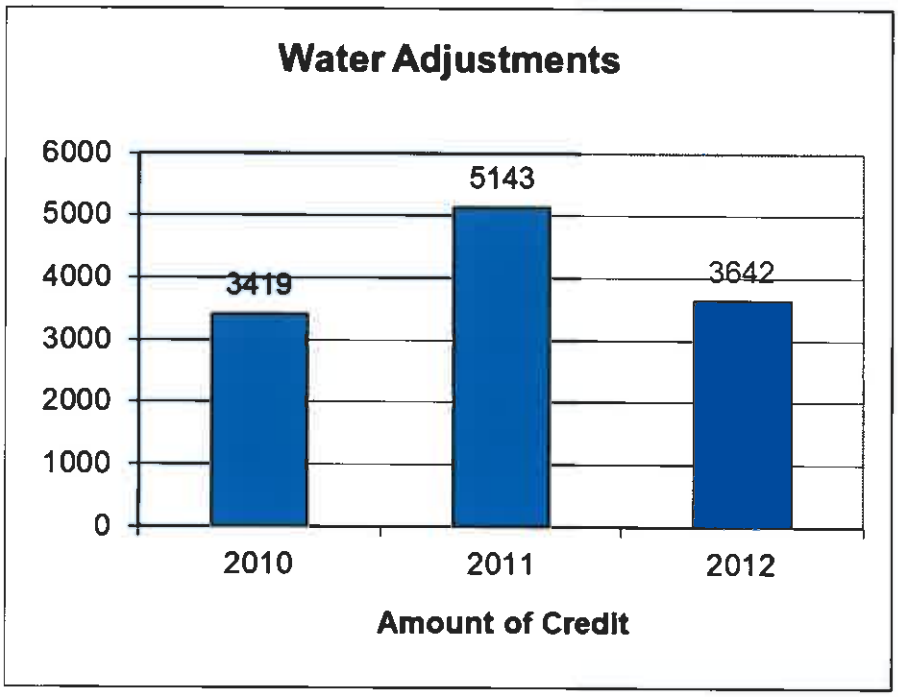
- We currently have 366 ACH collection customers. This service is offered to our customers to automatically draft their checking or savings account for the utility payment. This is an increase of 41 accounts from last year. I hope to promote this feature more. It has worked out very well for us, and is a big time saver. Customers can sign up for this at any time. This is a free service.

- We currently have 59 security lights for customers.

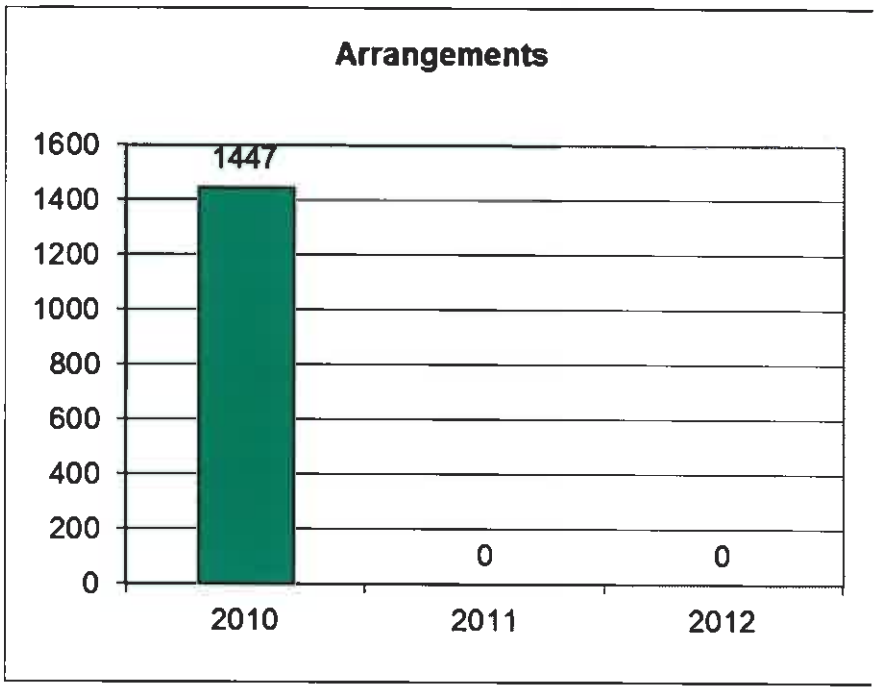
- Total turn-ons in 2012 were 673. This is an increase of 124 from last year. Most of this increase is due to the Homestead Senior Housing Development.

- Total read-outs in 2012 were 617. This is an increase of 118 from last year. Most of this increase is due to the Homestead Senior Housing Development.

- We gave 38 customers water/sewer adjustments in 2012. Total credit given was $3,641.59. This is an increase of 5 customers and a decrease of $1,501.38 in credits from 2011. I would like to see more stringent criteria for water adjustments. Customers are coming in requesting an adjustment for minor increases in water usage due to leaking stools, etc. They may or may not have a receipt proving parts were purchased to repair the leak. I feel like this is not what the water adjustment is for. I believe it should be for the larger leaks that occur due to water lines breaking, etc. Customers should be able to notice when their stools are leaking and fix the problem promptly, and not wait until they have a large water bill and then apply for an adjustment.

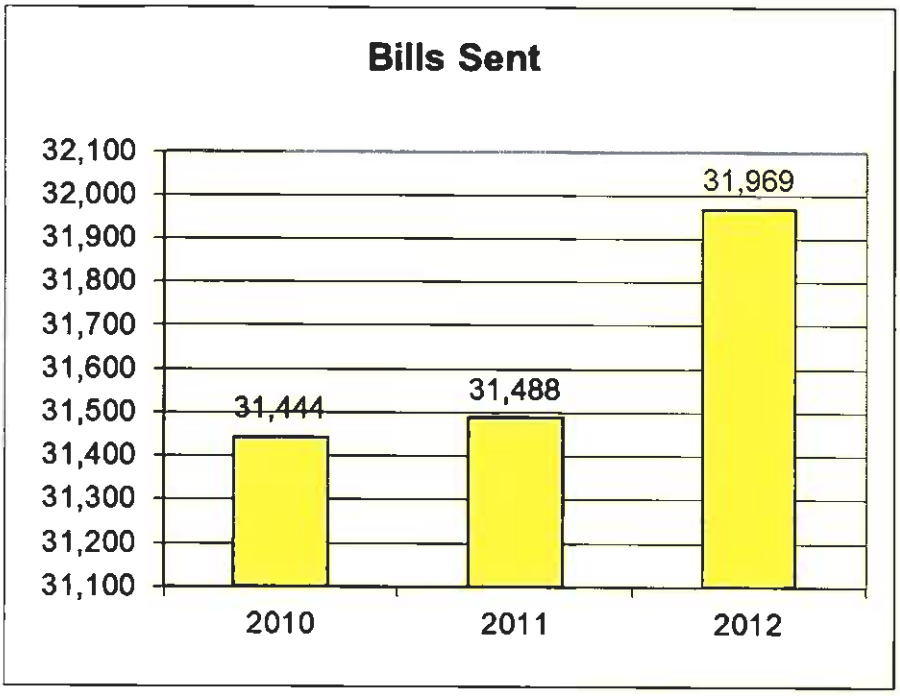


- We discontinued making arrangements effective October 1, 2010. We have really not seen an increase in disconnects on the 20th due to discontinuing the arrangements. Actually several of the arrangement customers have begun to pay their bill on time. Discontinuing the arrangements should also help with the amount of unpaid balances left by the customers when they skip out, since they would have 10 less days of usage on their bills. We had 21 hearing requests submitted in 2012.



- Effective October 2010 we no longer accepted utility arrangements. We had a request to accept utility arrangements from Charity organizations. We made 44 good faith utility arrangements from charitable organizations in 2012.

- The total number of bills mailed in 2012 was 31,969. This is an increase of 481 bills from last year. Most of this increase is due to the Homestead Senior Housing Development.



- The total consumptions, for service in 2012 are as follows:

  Water – 189,403,000 gallons – an increase of 26,947,000 gallons.
  Electric – 39,208,867 kw sold – a decrease of 997,438 kw.
  Total billing - $6,710,625.15 - an increase of $54,044.10 from last year.
  We had a very hot and dry summer, and continue to be on watering restrictions.

- We currently have 248 addresses with automatic turn-ons for landlords. We have had problems with landlords with automatic turn-ons, selling their property and not notifying us. When a bill is issued they advise the property is sold and do not pay the bill. All landlords were notified in 2007 advising if property is sold they must notify City Hall and cancel their automatic turn-on. This is a program we offer as a courtesy to our landlords. It will be discontinued if we continue to have problems. We have dropped some landlords and Mortgage Companies from the auto turn-on program due to non-payment of the utility bill. These customers are now required to put up a utility deposit before service is turned on.

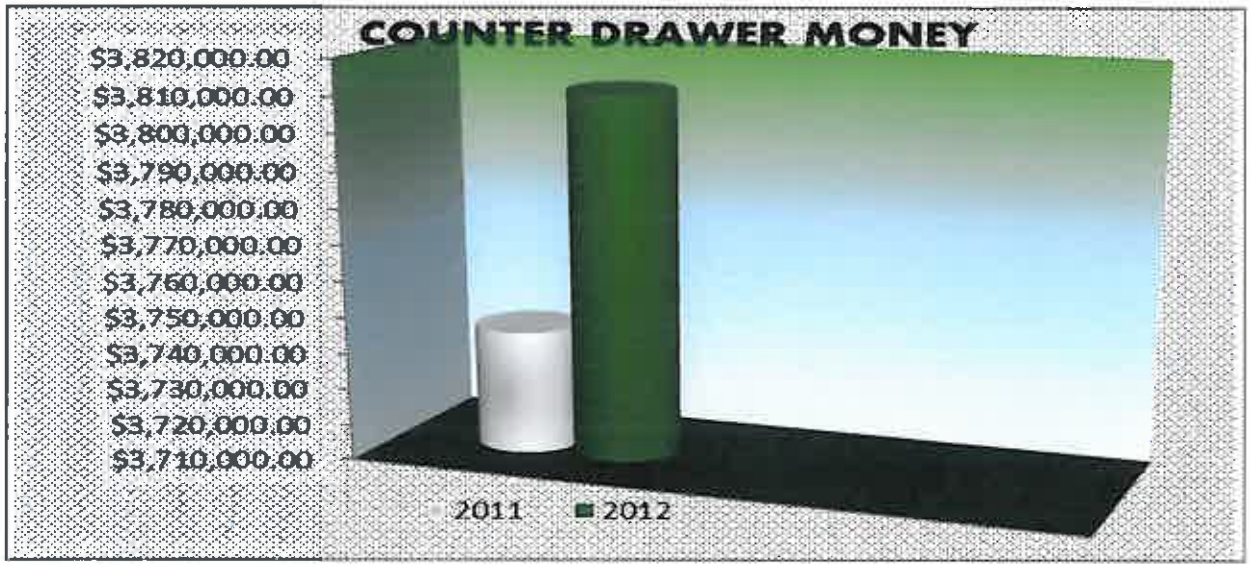
- We currently have 14 electric meters red tagged due to medical hardship.

- We currently have 103 customers on level billing. Customers may sign up for this program any time provided they have a good payment history, and have lived at the same location for the previous 12 months.

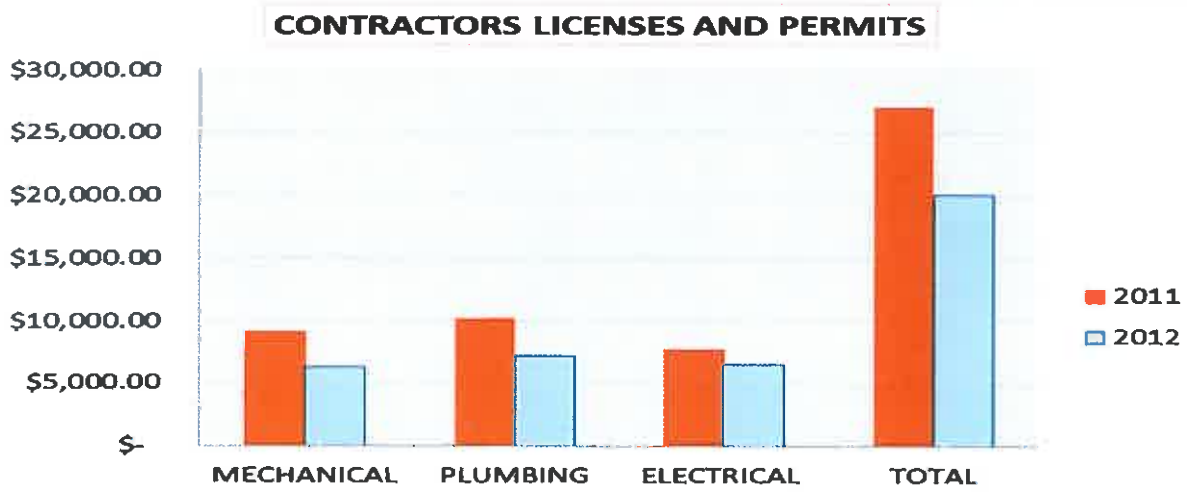
City of Mulvane
Annual Report
Julie McCullough
Customer Service
2012

2013 is in full swing and 2012 is just a memory! The Kansas Star Casino is a reality and continues to bring revenue in for the City of Mulvane. 2012 brought to the City of Mulvane a new hotel and the Kansas Star Casino moved into their new building and out of the arena. The casino and hotel has offered many employment opportunities and that has been a big plus in the current economy.

There was an increase in revenue of $66,527.54 in 2012 from the 2011 year received in the counter drawer.

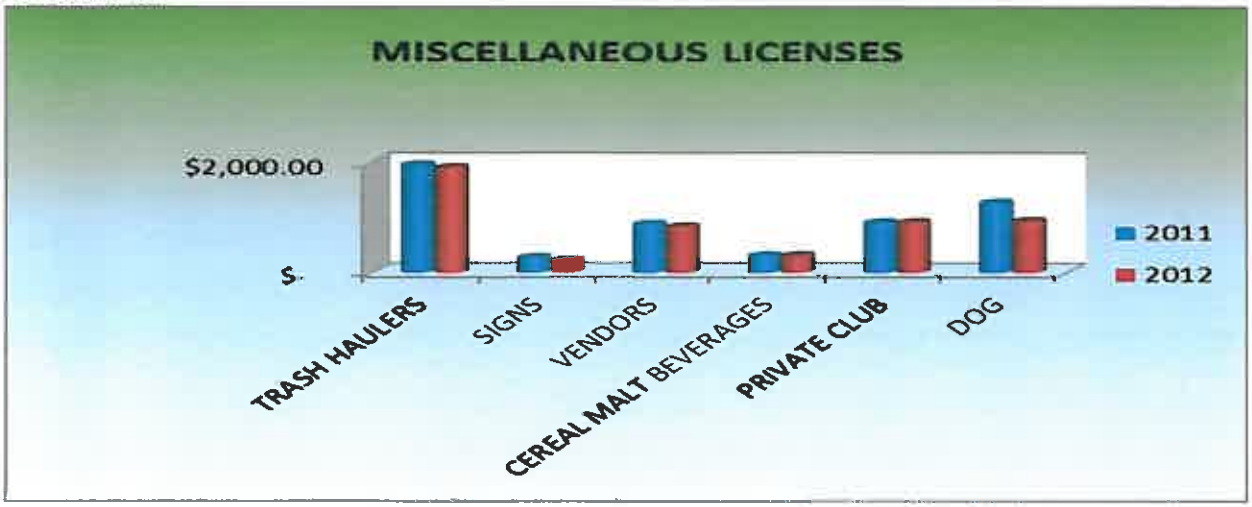


In 2012, there were still many contractors licensing and pulling permits in the city as they continued to build the new Kansas Star Casino and the Hampton Inn Hotel. There were contractors updating many of the schools in Mulvane along with updates and repairs on homes.

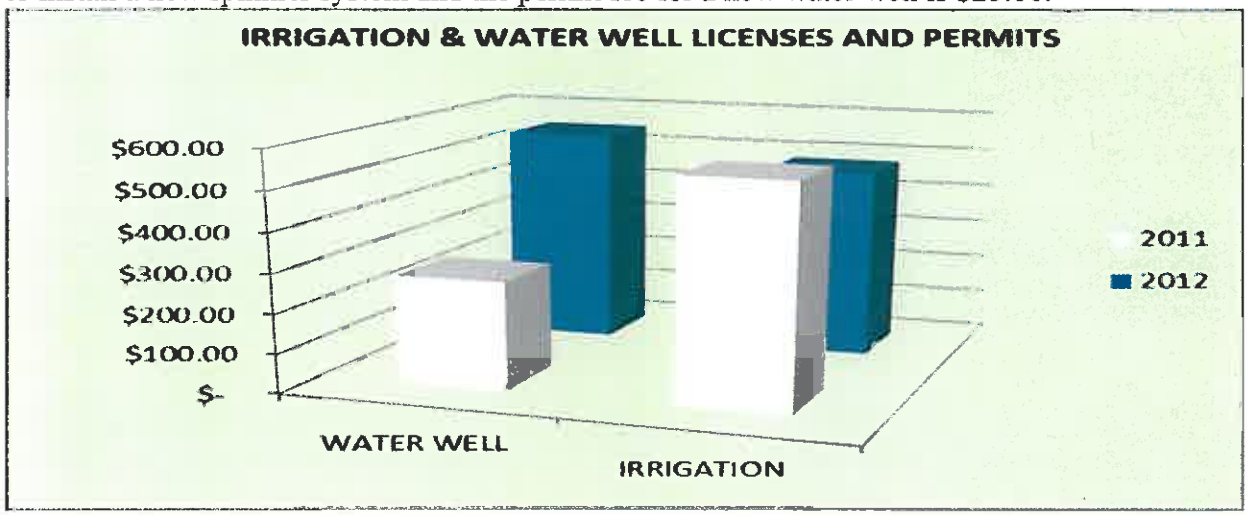


This graph represents the decreases in 2012 from 2011 in contractor licenses and permits.

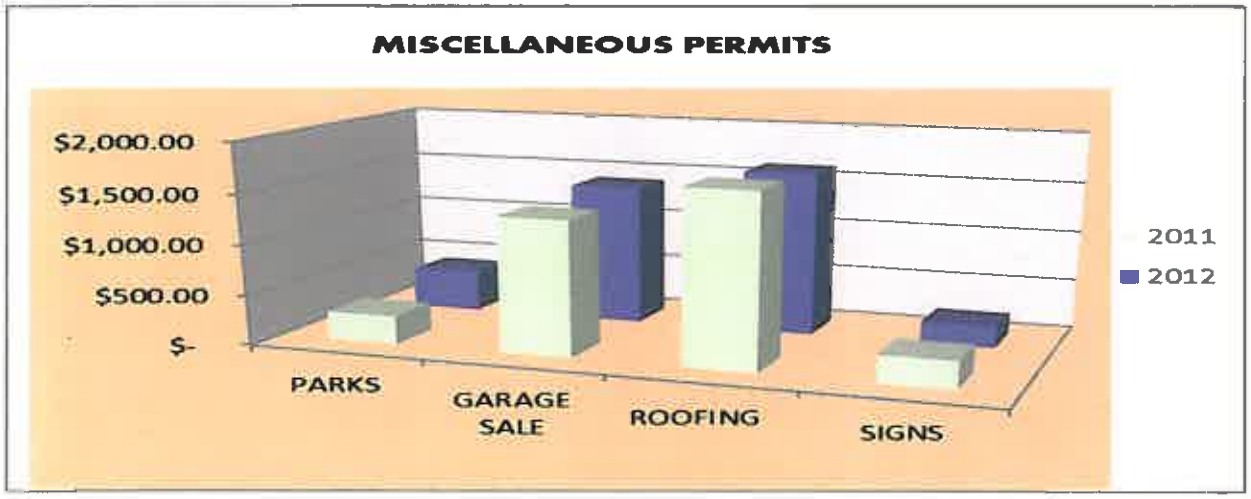
The graph below represents the various miscellaneous licenses required by ordinances in the City of Mulvane.



A Water Well Contractor and an Irrigation Contractor is responsible for having a license in the City of Mulvane. The license fee for both contractors is $75.00. An Irrigation Permit is $35.00 to install a new spinkler system and the permit fee for a new water well is $25.00.



The following graph represents the various permits the city collects and what the revenues were for 2011 and 2012.



2012
ANNUAL REPORT

LICENSES

	2011		COLLECTED	2012		COLLECTED
Mechanical Licenses	**110**			**106**		
Business Licenses:	28	$	2,100.00	26	$	1,950.00
Master Licenses:	35	$	700.00	35	$	700.00
Journeyman Licenses:	47	$	940.00	45	$	900.00
Permits Issued	54	$	5,418.25	47	$	2,765.80
Total Money Collected		**$**	**9,158.25**		**$**	**6,315.80**
Electrical Licenses	77			**103**		
Business Licenses:	33	$	2,475.00	36	$	2,700.00
Master Licenses:	36	$	720.00	40	$	800.00
Journeyman Licenses:	8	$	160.00	27	$	540.00
Permits Issued	60	$	4,348.88	49	$	2,436.10
Total Money Collected		**$**	**7,703.88**		**$**	**6,476.10**
Plumbing & Drain Layers Licenses	**78**			**79**		
Business Licenses:	32	$	2,400.00	30	$	2,250.00
Master Licenses:	35	$	700.00	34	$	680.00
Journeyman Licenses:	11	$	220.00	15	$	300.00
Permits Issued	75	$	6,847.25	55	$	3,971.50
Total Money Collected		**$**	**10,167.25**		**$**	**7,201.50**
Building Contractors Licenses	**70**	**$**	**6,200.00**	**76**	**$**	**6,850.00**
Class A & B	35	$	3,800.00	46	$	4,600.00
Class C & D	32	$	2,400.00	30	$	2,250.00
Irrigation Contractor Licenses	6	$	450.00	5	$	375.00
Irrigation Permits	3	$	105.00	3	$	105.00
Total Irrigation Licenses and Permits	9	**$**	**555.00**	**8**	**$**	**480.00**
Water Well Contractor Licenses	**2**	$	150.00	**3**	$	225.00
Water Well Permits	5	$	125.00	13	$	325.00
Total Water Well Licenses and Permits	7	**$**	**275.00**	**16**	**$**	**550.00**
Roofing Permits	**64**	**$**	**1,700.00**	**62**	**$**	**1,625.00**
Trash Haulers Totals		**$**	**1,950.00**		**$**	**1,900.00**
Companies Licenses	3	$	1,500.00	3	$	1,500.00
Trucks Licensed	9	$	450.00	8	$	400.00

	2011		COLLECTED	2011		COLLECTED
Game Licenses						
Coin Operated Machines	**16**	**$**	**240.00**	**18**	**$**	**270.00**
Cereal Malt Beverage Licenses	**5**	**$**	**350.00**	**5**	**$**	**-**
Consumed on Premises @ $100.00	1	$	200.00	1	$	-
Not consumed on Premises @ $50.00	4	$	150.00	4	$	-
Temp. Lic. For RD's Beer Garden - Old Settlers	*0*	*$*	-	*0*	*$*	-
(CMB Fees were collected in 2011 but not in 2012)						
Private Club Licenses	**3**	**$**	**2,700.00**	**3**	**$**	**-**
Class "A" American Legion fees waived 2005-2006	1	$	300.00 FEE WAIVED	1	$	-
Class "B" (Biennenial)		$	-		$	-
Drinking Establishment (Biennenial)	3	$	1,500.00	3	$	-
Farm Winery License (Biennenial)		$	-		$	-
Retail Liquor Store (Biennenial)	2	$	1,200.00	2	$	-
Vendors Licenses	**19**	**$**	**700.00**	**10**	**$**	**1,075.00**
Annual Licenses	1	$	250.00	2	$	1,000.00
Daily Licenses	18	$	450.00	3	$	75.00
Arborists Licenses	**9**	**$**	**450.00**	**9**	**$**	**450.00**
Park Bandshell Fees	**37**	**$**	**280.00**	**49**	**$**	**410.00**
Garage Sale Permits	**267**	**$**	**1,335.00**	**280**	**$**	**1,400.00**
Dog Licenses	**252**	**$**	**1,260.00**	**185**	**$**	**925.00**
Sign Permits	**18**	**$**	**270.00**	**12**	**$**	**210.00**
TOTAL REVENUE FROM LICENSES AND PERMITS		**$**	**42,744.38**		**$**	**36,138.40**
TOTAL AMOUNT OF MONEY COLLECTED IN THE COUNTER DRAWER		**$**	**3,744,196.77**		**$**	**3,810,724.31**

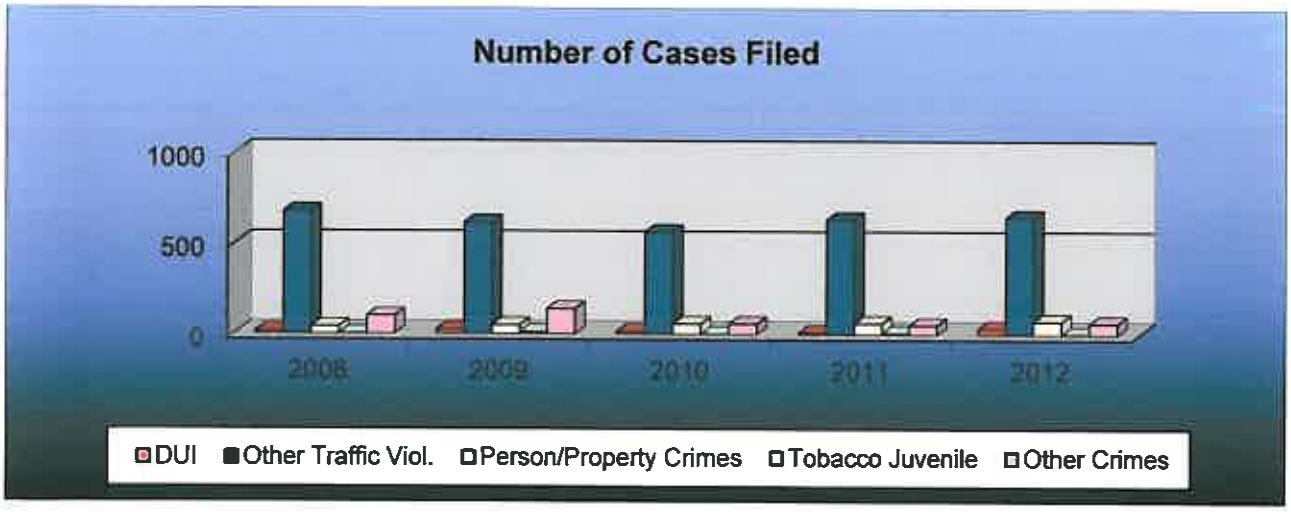
MULVANE MUNICIPAL COURT
YEAR END REPORT
2012

Municipal Judge:	Duane Brown
City Prosecutor:	Larry Linn
Court Clerk:	Debbie Plew
Probation Office:	Cherie Nelson, January –March, Chris Davis, April to present

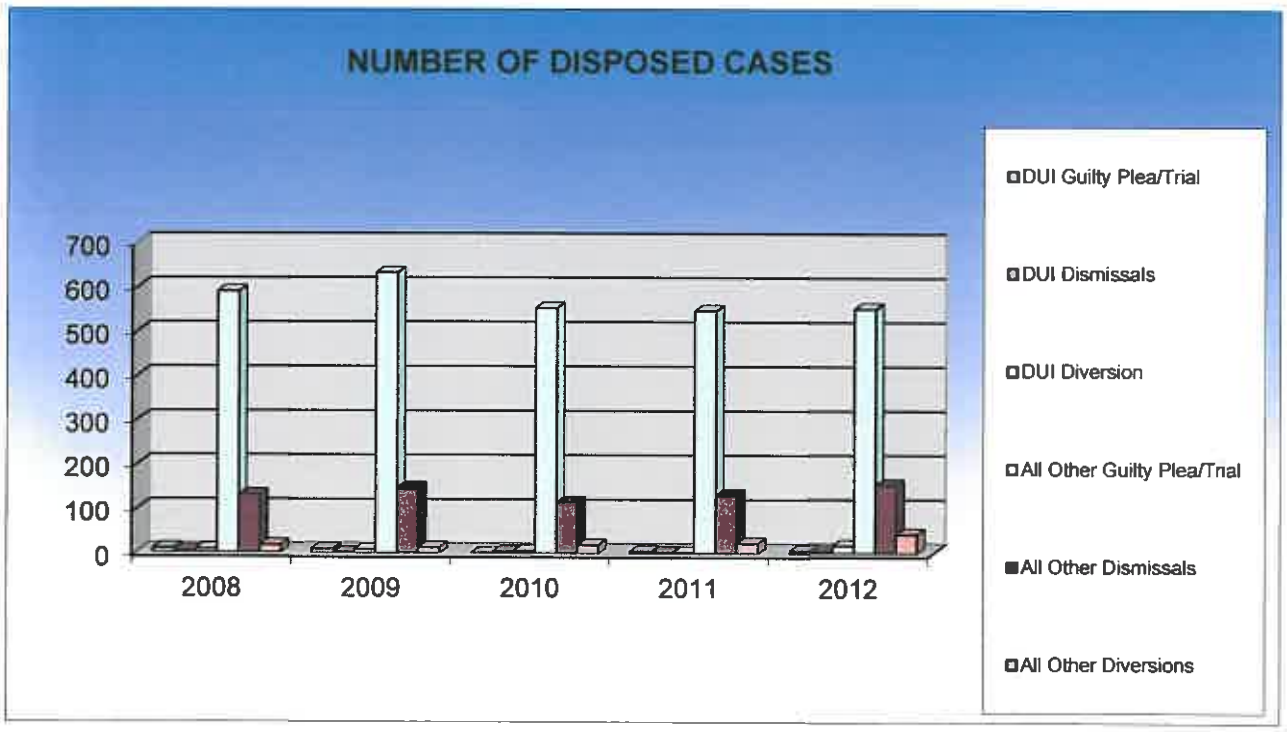
The Mulvane Municipal Court held 36 sessions in 2012. The Probation Officer, Cherie Nelson, resigned at the end of March. Christopher Davis with South Central Kansas Court Services is our current Probation Officer.

Below is an overview of the type and number of cases filed during the year and the number of cases disposed of during the year.

Number of Cases Filed	2008	2009	2010	2011	2012
Reckless Driving	0	2	1	1	2
Driving Under the Influence	17	25	16	9	34
Flee Police Officer	0	0	0	1	1
Other traffic violations, excluding parking	679	617	565	636	649
Crimes against persons	38	33	52	60	66
Crimes against property	3	16	6	1	7
Cigarette & tobacco infractions	3	11	2	8	2
Other Crimes	102	141	58	51	62
Total Number of Cases Filed During Year	842	845	700	767	823



Number of Cases Disposed of During the Year	2008	2009	2010	2011	2012
DUI, Guilty Plea	9	14	8	4	7
DUI, Bond Forfeitures	0	0	0	0	0
DUI, Dismissals	4	2	4	3	4
DUI, Trials (on pleas of not guilty)	1	1	1	1	0
DUI Diversion Agreements	8	8	6	2	17
Other Cases, Guilty Pleas	591	632	553	547	552
Other Cases, Bond Forfeitures	0	0	0	0	0
Other Cases, Dismissals	131	148	115	132	154
Other Cases, Trials (on pleas of not guilty)	1	1	9	1	7
Other Cases, Diversion	17	13	19	23	43
Total Cases Disposed of During the Year	762	819	717	713	784

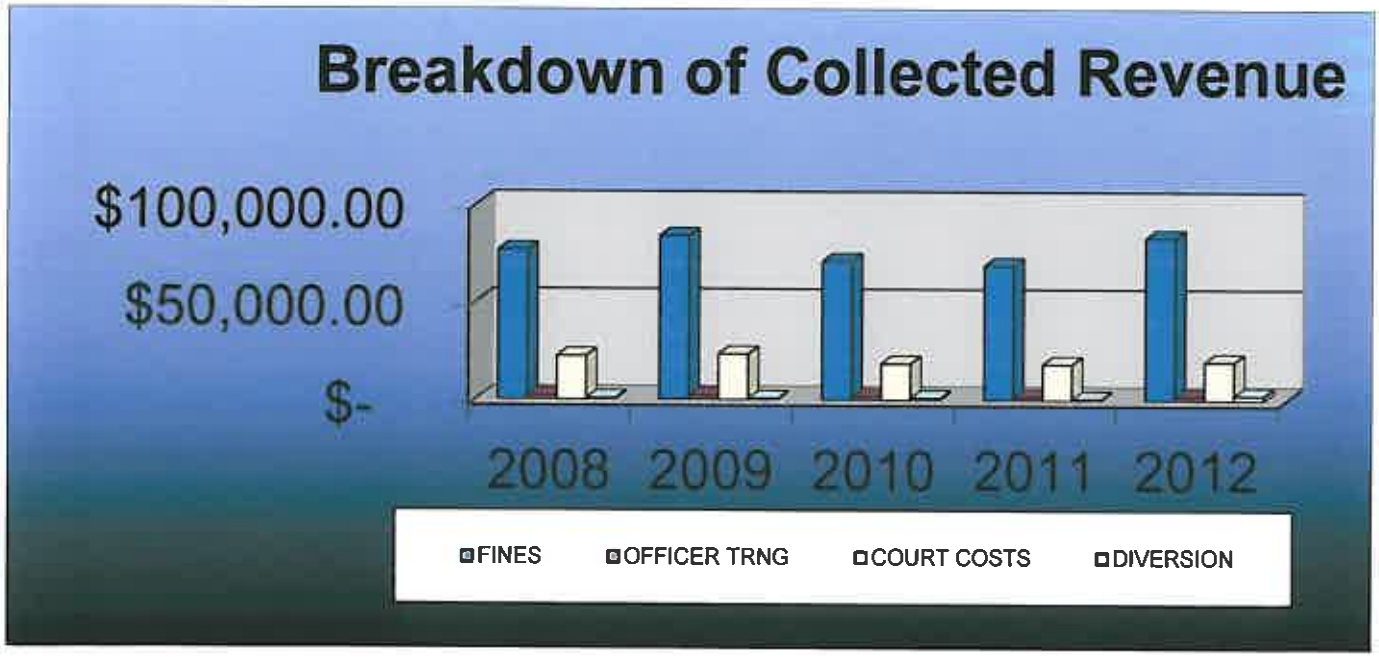


Defendants with minor traffic infractions, (such as speeding, disobey traffic control device) can meet with the Prosecutor on their court night about amending the charge to a non-moving violation. People choose to do this to keep the violations off their driving records. In 2012 the Prosecutor amended 78 minor traffic violations; the scheduled fine amount totaled $5,815.00. After amending to a non-moving violation, total fines assessed were $13,380.00. In 2011 the Prosecutor amended 70 minor traffic violations. The original fine amount assessed was $4580.00; after amendment assessed fines were $11,159.00. Diversion is still offered for DUI, Battery and other misdemeanor criminal offenses.

In 2012, $4,500.00 was paid for in court appointed attorney fees and $2,457.00 was collected. In 2011 the City paid out $1,500.00 and collected $1,994.00.

In 2012 we collected for the State of Kansas and forwarded to them $15,253.50 for Judicial Branch Education, Law Enforcement Training, Reinstatement fees and Community Corrections Fund. The Community Corrections Fund was implemented on 7-1-2012, and is collected and sent to the State on all DUI cases. The distribution, along with a brief report, is made monthly. This is an unfunded mandated service we provide to the State of Kansas.

Fund	Collected 2009	Collected 2010	Collected 2011	Collected 2012
Court Fines	$ 83,976.32	$ 71,045.31	$ 68,906.25	$ 83,223.67
Court Costs	$ 23,324.00	$ 18,553.88	$ 18,343.00	$ 19,640.09
Officer Trng	$ 2,147.00	$ 1,650.00	$ 1,596.00	$ 1,755.00
Diversion	$ 600.00	$ 958.66	$ 607.98	$ 2,441.19
Total	$110,047.32	$ 92,207.85	$ 89,453.23	$107,059.95



We have continued to actively enforce the Kansas Crime Victims' Bill of Rights. The Court Clerk is the Victim Rights Coordinator. Through this program, we keep the victims informed about the progress of their cases and provide them with a wide range of services. The coordinator makes both written and oral contact with the victims. The court highly values the input of all victims.

In 2012 we collected $1,900.00 and paid out $1,450.00 for PSI/Diversion Evaluations. When Chris Davis took over as probation officer the first of April, the evaluation fee of $150.00 is paid directly to him from the defendants. If the defendant is deemed indigent by the court, and cannot pay for his Evaluation, the Court pays Mr. Davis and adds it to the fees owed by the defendant .

We have continued with our "pay or appear policy". This is for individuals who need some time to pay their fine and court costs. The individual is required to continue to appear in court on a regular basis until their fine and costs are paid in full. Unpaid cases that meet the criteria for the State's Setoff Program are placed on it for attempt at collection of those fees. The Court received $3,421.92 from Setoff in 2012. In 2011, the court received $2,120.49 from Setoff.

The Court paid $4,885.09 in jail fees in 2012. In 2011, the Court paid $595.00 in jail fees. The increase in jail fees, is due, in part, to an increase in DUI arrests , and defendant's that had to serve time for their offense. The Judge tries to give defendants house arrest in lieu of jail. House arrest is paid by the defendant directly to the company monitoring House Arrest at no cost to the Court.

The Kansas Star Casino opened in late December of 2010. There were 63 arrests for various offenses; criminal trespass, theft, DUI, battery and domestic violence. 15 tickets were issued for parking in handicapped.

MULVANE SENIOR CITIZEN'S CENTER
2012 YEAR END REPORT

	2007	2008	2009	2010	2011	2012
Meals Served	9435	12551	13218	11900	11866	11333
Blood Pressure	199	210	193	323	273	626
Pool & Shuffle Board	-	6	291	234	200	138
Education Activities	-	-	-	-	-	1752
Commodities & Transportation	-	210	143	257	358	415
Coffee & Donuts	1563	1551	1385	1861	1586	721
Bingo	244	316	278	114	120	149
Birthday Celebrations	341	416	347	361	425	547
Site Council	102	371	303	367	350	407
Computers	424	133	87	266	454	412
Dominoes	1542	2539	2375	1929	1455	1758
Puzzles	442	239	222	285	213	630
Yoga	589	638	1096	1325	1120	1545
Book Loan	-	-	-	-	-	68
Harris Footcare	-	63	191	267	197	171
High School Clean Up Day	-	26	40	50	32	46
MRC & Sr Center Sponsored Trips:						
Pierce Arrow	62	27	24	23	23	26
Aviation Museum	-	27	35	20	19	10
Mosely Street Melodrama	27	-	20	16	24	12
Ladies Day Out	-	-	-	-	-	17
Tanganyika Wildlife Park	-	-	-	-	-	20
Pratt Campbell Historic Home	-	-	-	-	-	14
Florence & Marion, Kansas	-	-	-	-	-	20
Botanica-Spring Has Sprung	-	-	-	-	-	20
Forum Theatre/Nunsense	-	-	-	-	-	20
Orpheum Theatre/In the Mood	-	-	-	-	-	25
Forum Theatre/Give"em Hell Harry	-	-	-	-	-	15
Party Bus to look at Christmas Lights	-	-	-	-	-	30
Pot Luck Dinner for Volunteers	-	-	-	-	-	42
Cards/Quilting/Piano/Crocket/Knitting	20	48	130	180	106	238
Holiday Celebrations	22	36	36	23	26	202
Sr. Center Celebration Fish Fry	43	31	29	62	93	94
Breakfast with Santa/Christmas Program	29	36	113	150	108	141
Christmas Party	43	31	41	33	34	45
Walking at MRC & Coffee	-	-	577	3536	4448	4513
Mother's Day Breakfast	-	-	84	34	75	42
Sr. Prom With Student Council/Jazz Band	-	-	-	-	-	50
Zumba	-	-	-	-	545	1845
Kentucky Fried Chicken Pot Luck	-	-	-	-	-	70
Ice Cream Sundays & Pizza Day	-	-	-	-	-	87
Florene's Gowing Away Party	-	-	-	-	-	35
Espirit De Corps Concert	-	-	-	-	-	41
Sisters of Song Christmas Pot Luck	-	-	-	-	-	74
Total	**15,127**	**19,505**	**21,258**	**23,616**	**24,150**	**28,466**

Mulvane Pool

The Mulvane Swimming Pool was open from May 29, 2012 to August 12, 2012. Due to the unusually dry summer the pool operation had minimal down time.

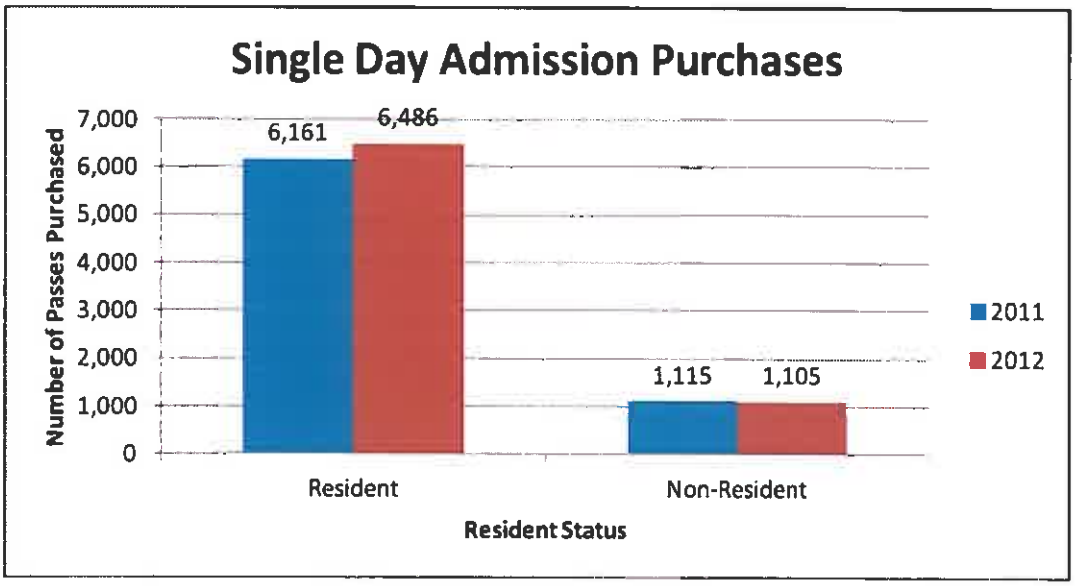
Pool Improvements

The pool introduced a new aqua zumba program and adjusted its current operation to allow for a lap swim time and a toddler swim time in order to meet interest expressed by patrons.

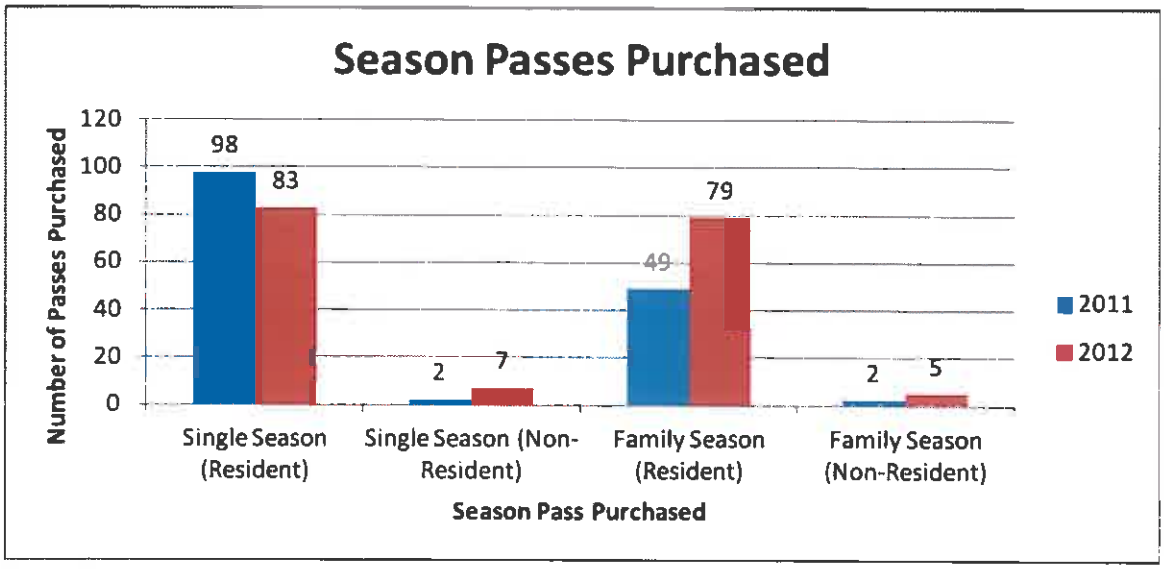
The new aqua zumba program was available to patrons two times a week. Aqua zumba replaced the water aquatics program that was previously in place. The turnout for aqua zumba was incredible. One session was held on Wednesday nights and the other on Friday mornings. This allowed patrons to attend one, if not both classes as, their schedule suited.

We also adjusted the physical set up of the pool to allow for toddler swim time and a lap swim time. This allowed patrons who have young children (toddler age) that may have a rough time swimming during normal business hours a chance to swim. Toddler swim occurred from 12:00 – 1:00, before the pool opened to the general public. The deeper parts of the pool were also opened up at this time for those wishing to swim laps for exercise purposes. Lap lanes were also available during the last hour of public swim (6:00 -7:00) for those wishing to use them.

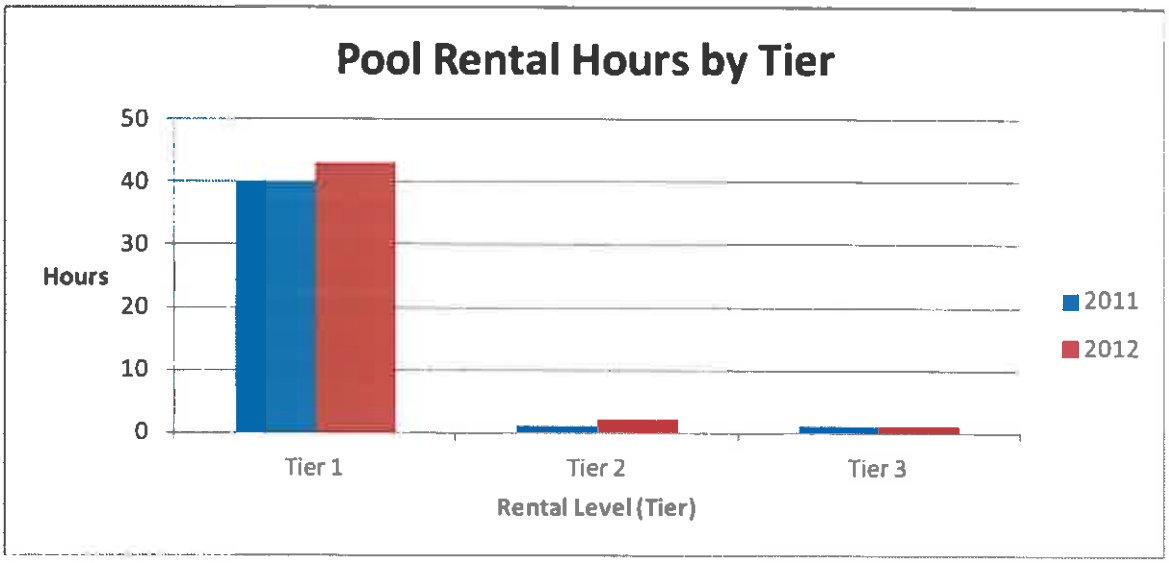
The graph below shows that single day admission purchases increased slightly in 2012 from the previous year.



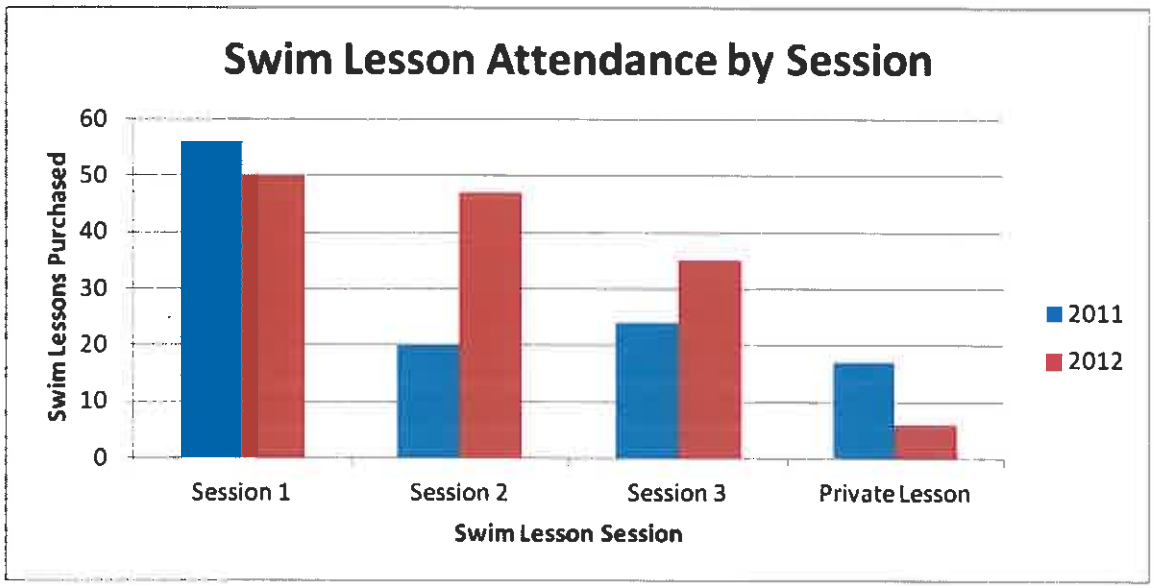
This graph shows that individual season passes purchases in general decreased. However, the number of family season passes increased significantly.



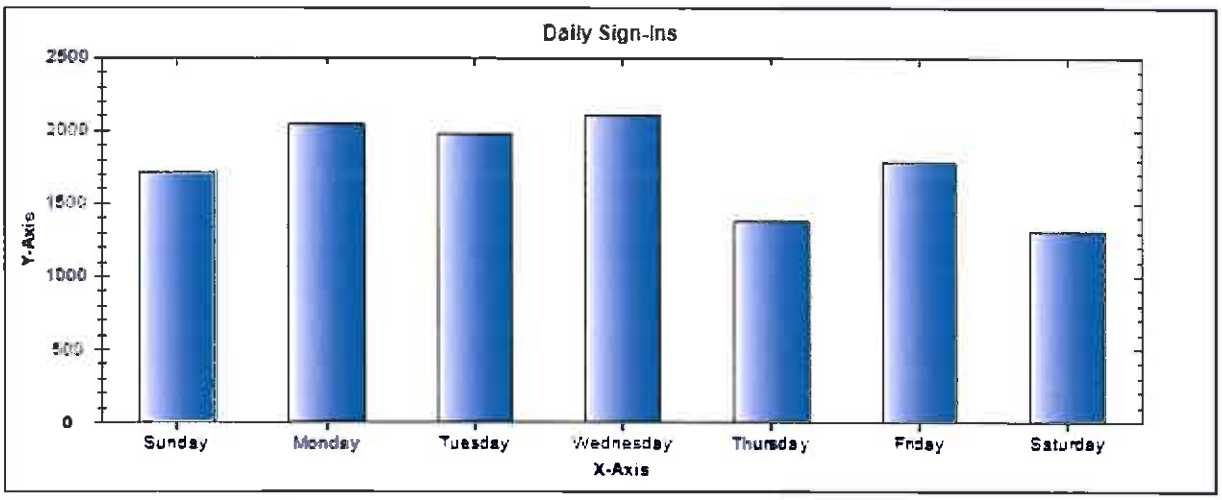
Pool rental hours stayed steady over the past two years. It would be unlikely to see much growth in the hours rented due to the fact that the prime rental hours remained booked throughout the summers.



Swim Lesson attendance lowered in session one and increased in session two and three. One thing that influenced a drop in session one is that we had an MRC lesson group during session one. If included the number of MRC swim lesson participants would have dramatically increased the attendance numbers of session one.

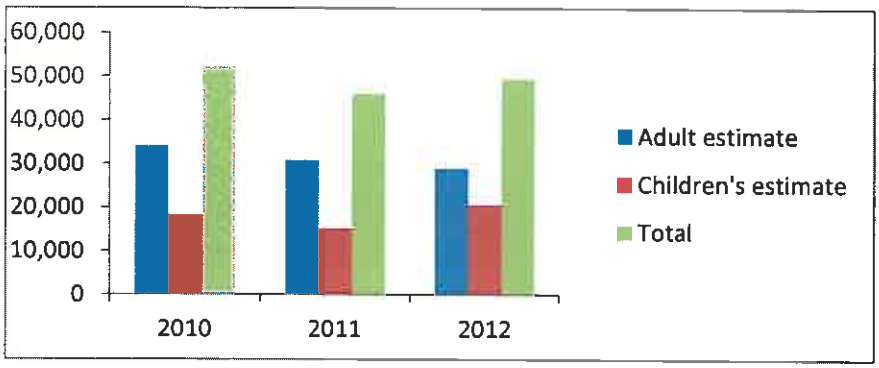


This graph indicates that we had more people with a membership visit the pool on Wednesdays and Mondays than other days. Fewer people with a membership visited the pool on Thursdays and Saturdays. These numbers include only those visiting the pool that have a membership and they don't include daily admission numbers.

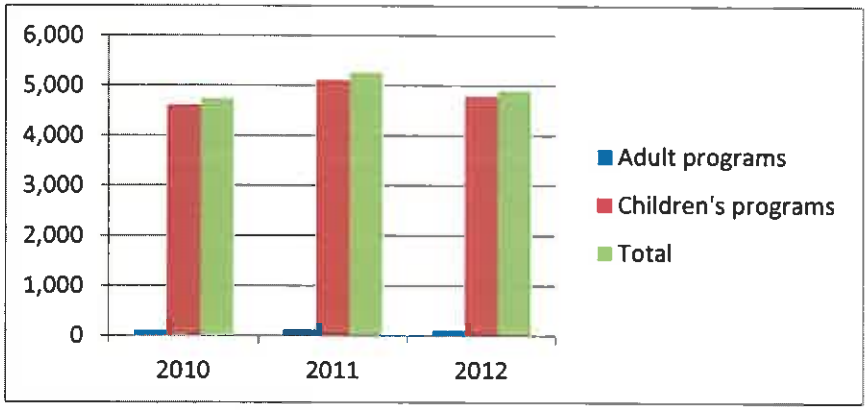


Mulvane Public Library
2012 Statistics for the City of Mulvane Annual Report

Circulation:	**2010**	**2011**	**2012**
Adult estimate	34,001	30,823	28,946
Children's estimate	18,308	15,084	20,573
Total	52,309	46,053	49,519



Program Attendance:	**2010**	**2011**	**2012**
Adult programs	126	120	115
Children's programs	4,605	5,100	4,780
Total	4,731	5,265	4,895



Summer Reading Program 2012 (attendance included in above totals)

Children's Reading Program

Number of kids signed up to read	197
Number completed their reading goal	119
Number did not complete goal	78

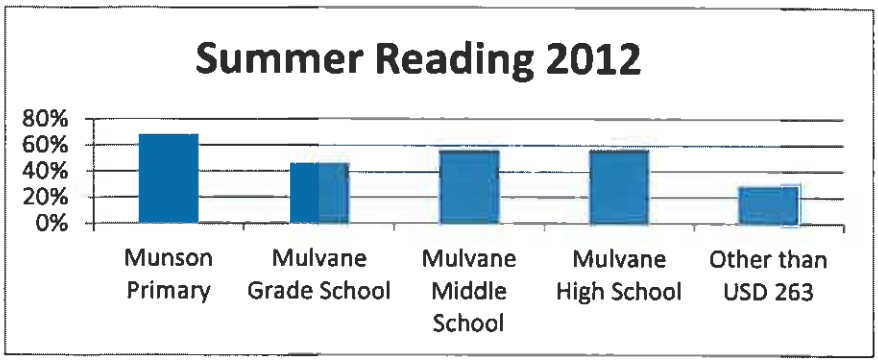
Teen Reading Program

Number Signed up to read	94
Number completed their reading goal	47
Number did not complete their goal	47

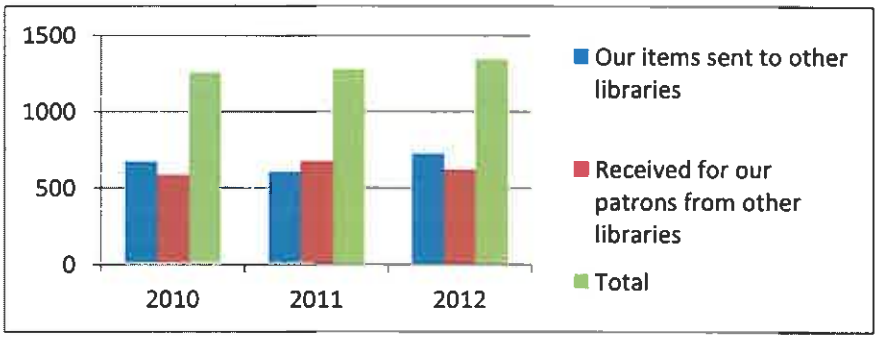
Mulvane Public Library
2012 Statistics for the City of Mulvane Annual Report

Percentage of SRP finishers by school:

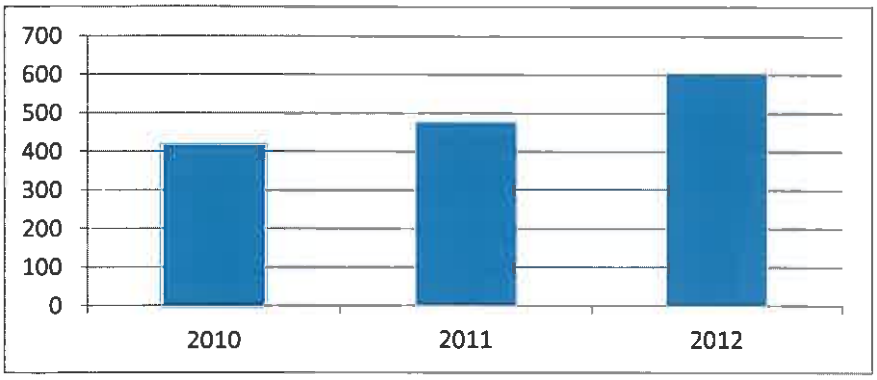
Munson Primary	68%
Mulvane Grade School	46%
Mulvane Middle School	56%
Mulvane High School	57%
Other than USD 263	29%



Interlibrary loans:	**2010**	**2011**	**2012**
Our items sent to other libraries	668	603	725
Received for our patrons from other libraries	583	675	620
Total	1251	1278	1345



New patrons added:	**2010**	**2011**	**2012**
	416	475	601



Mulvane Public Library
2012 Statistics for the City of Mulvane Annual Report

Service and Collection Facts:

Public service hours per typical week	43
Annual estimate	2,236
Library visits per typical week	506
Annual estimate	26,312
Reference transactions per typical week	10
Annual estimate	520
Number registered card holders	2,090
# of users of electronic resources per typical week	88
Annual estimate	4,560
Number of bound volumes owned 01-01-2012	25,939
Added during 2012	3,958
Withdrawn during 2012	2,374
Total owned 12-31-2012	27,523
Number of audio materials	260
Number of video materials	1,643
Number of periodical subscriptions	62
Number of materials in electronic form	115
Number of loans received from system rotating coll.	400

Overview of Library activities:

The Mulvane Public Library received eight grants in 2012. The grants were used to purchase new, updated adult and juvenile titles and replace old equipment. Building maintenance continued to be a challenge. We renewed our efforts for outreach through loaning of large print books to Maria Court, Quad Manor, and Villa Maria. Mulvane Library added e-books to the collection through Sunflower E-Library. Public fax service was added as well. A thrid circulation computer was added recently to meet some of the ADA needs of the library. We continue our efforts in literacy by providing weekly programs for "Wee Read" (infants) and "Storytime" (pre-school age children). Adult Literacy books were added to the collection this year to help adults who had lost their ability to read through diseases such as a stroke, or for those adults who had never learned to read. Mulvane Library is one of a very few libraries in Kansas with this service. Along with several local area businesses and the Levand Trust, the library was able to provide a well-received and well-participated Summer Reading Program. The attendance for the Teen/Tween program grew 266% this past summer. We provide several adult programs, such as adult book discussions, Book Bites and an adult reading program. The Mulvane Public Library strives to serve the entire community with services and materials to meet both informational and recreational needs.

MULVANE STREET DEPARTMENT

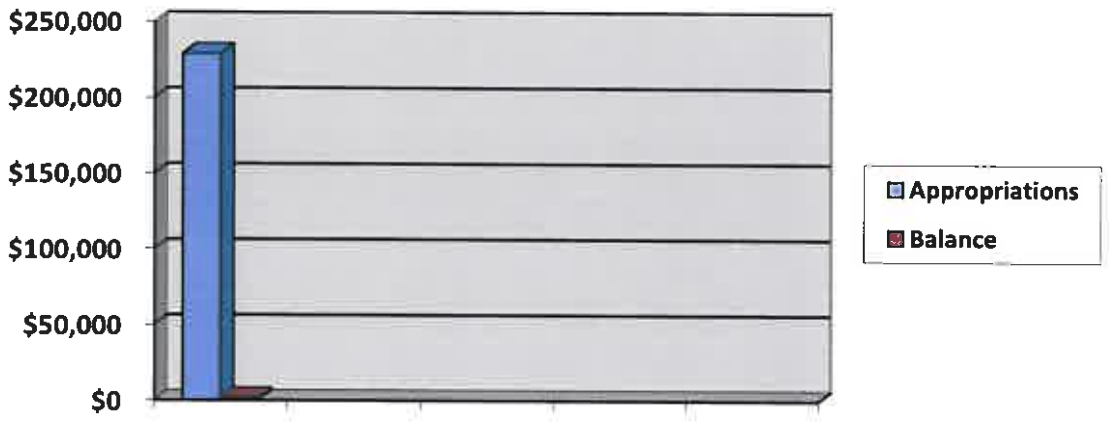
2012 Year End Report

Prepared by
Kevin G. Baker
Street Superintendent

<u>Mission Statement</u>
The Mulvane Street Department will continually strive to provide the citizens of Mulvane and the Governing body optimum, superior service, while maintaining a safe and productive work environment.

Budget Analysis Street Department

General Fund Budget 2012
Street Department



Total Appropriations for the General Fund were $315,969
As of December 31, 2012 there was an unencumbered balance of $-3,262.72

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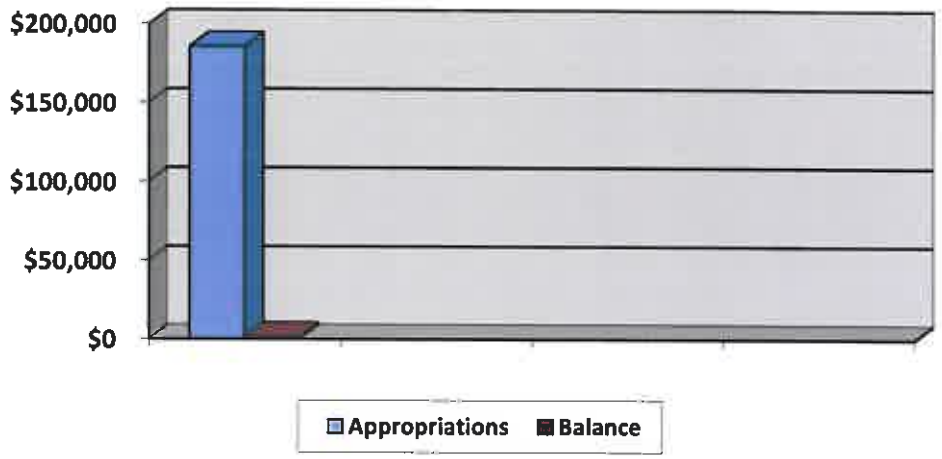
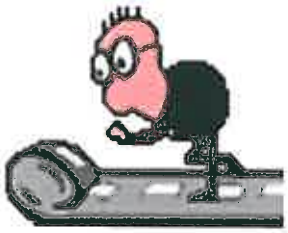
Special Highway Fund 2012



Appropriations for the Special Highway Fund were $229,718
As of Dec. 31st 2012 there was an unencumbered *balance of $79,812

*The balance in the Special Highway fund was largely due to the retirement of a Ralph Johnson who served the city for 25 yrs.

St. Dept. Introduction of 2012 Year End Report



The street department is the most diversified department in the city. We do a variety of work for virtually every department. I take pride having skilled crews which have been properly trained to do quality work, and I'm very thankful for the continued support of the governing body allowing us the resources and equipment to complete the variety of task we are involved in.

Major reconstruction and excavation was completed at the Skateboard Park and Sports Complex in 2012. A newly designed 250 ft. concrete valley drain was constructed leading to Styx Creek at the Skateboard Park. The parking lot and drive entrance were patched and sealed, adding a much cleaner "dressed up" look to the park. At the Sports Complex 7 new concrete bleacher pads were constructed; these 2 projects took the entire months of March and April.

Overall street maintenance for 2012 went very well. The annual summer slurry sealing program is very beneficial to city streets. We did not encounter one storm that caused an interruption of planned work. The summer was very hot and dry which allowed us to work pretty much uninterrupted. Every year we pull together and get the annual slurry sealing completed by September – and we did – which is the target month. Our yearly maintenance program is crucial to the overall condition of City streets. Once again, our focus in 2012 was on the streets north of Main St., East of Second St. and south of K-15. The slurry sealing maintenance program on these low volume streets is very cost effective and contributes to the preservation of the streets, and of appropriated funds.

The box culvert at English Park which goes under K-15 had silted in after the reconstruction of the Styx Creek Canal, we dug out approximately 150 tons of silt and installed rip-rap in English Park at the entryway of the box culvert and repaired a broken stem wall; this improvement should reduce erosion.

From October thru December the street department collectively removed/replaced sections of nearly 400 ft. of the bike path that runs along Rock Rd. and 103rd St. There is still more yet to be repaired/replaced.

Ralph Johnson who worked for the Street Dept. for 25 years retired in June of 2012. His retirement left a gaping hole in my crew. The space was filled with a prior city employee of the Street Department Jeff Grieve. Jeff worked in the Street Department 4 years after graduating from High School in 1997. Jeff has been a great "re-addition" to my crew. He has spent the last 11 years in commercial construction where he gained some great knowledge that can now be used to benefit the abilities of my crew. Additionally, an employee from the street department transferred to the sewer plant, which left me with another opening to fill. The opening was filled by Heath Nixon. Heath was working in the Parks Dept. at the Sports Complex, Heath is a hard worker, and he added a big boost to the productivity of my team. Right now, I am operating with the most talented and overall diversified team I've had in 19 years.

Completed Task List for 2012

As noted in the Introduction, in addition to our general street maintenance the street department takes on many projects unrelated to annual street maintenance. We take pride in helping other departments achieve their goals. Other departments depend on the street department for a variety of task, which I define as dissimilar work.

The following is a listing of our general operations of, and, dissimilar work done in 2012:

- Slurry seal and/or crack seal approximately 85,000 to 90,000 square yards of city streets equivalent to 55 city blocks. This work done in house saves the city 100% compared to contracting the work out. Cost would likely exceed $200,000 if the work was contracted out. Our cost is approximately half that amount.

- Grade and rock alleyways, yearly or as needed.

- Over 178 tons of asphalt was placed and/or replaced 2012 for maintenance and repairs.

- Repair ten street cuts for Water Dept. including four residential driveways, where a water leak repair required a partial removal of the driveway.

- Repair six street cuts for Kansas Gas Co. (KGS reimburses the City for these repairs).

- Crack seal Louis Drive

- Crack seal Country Walk Addition

- Over 2000 cubic yards of material was swept off of city streets (sand, leaves, trash etc.)

- Remove and replace nearly 400 feet of pedestrian/bike path on Rock Rd. and on 103rd.

- Pick-up several hundred bags of leaves that Mulvane High School students raked for elderly residents.

- Eliminate weeds on medians of K-15, Rock Rd., Second St., Main St., K53, and around road bridges.

- Maintain sewer plant road/brush pit road as needed.

- Clean public works facility and the downtown area weekly.
- Clean concrete storm valley drain on W. 53 when needed
- Remove a total of eight dead or diseased trees on city right of ways and in City Parks 
- Cleared woody brush off of bridge embankments on K-15.
- Pick up tree limbs for residents when requested September through May.
- Cut weeds around all traffic signs, guard rails etc.
- Repaired man hole on N. Park St.
- The brush pit was burned five times in 2011.
- Cut drainage ditches and clean box culverts for improved storm water run-off. This is done on an as needed basis.
- Trim low hanging tree limbs.
- Hauled and stock piled 260 tons AB3 rock.
- Installed five cement pads for Park Benches at various locals around town.

Storm Related Summary - 2012

The summer offered plenty of heat and not much rain. Storms were minimal. It was one of the hottest and driest summers in history. Tree damage from storms was not an issue this year, which allowed us to better concentrate on street maintenance work.

The winter was not much different; we had above average temperature and below average moisture. Minimal resources were needed for snow removal and ice control in 2012. We experienced only one weather event that required salting and sanding.

Street Sign Related Work Summary –2012

The street department has a large inventory of street signs that are categorized as regulatory, advisory, and prohibitive. The department replaces regulatory signs on an as needed bases, damage is usually the cause of replacement. The reflectivity life of a street sign is between five to seven years; depending on how much direct sun exposure the sign receives. There are many street name signs in Mulvane that still need replaced. Due to budget constraints, we typically only replace street names signs that become significantly illegible.

- 36 new sets of barricades were constructed in 2012 
  (All departments in the city depend on the street department for barricades, the average cost per year of maintaining our barricade inventory is about $3,000.)

- Re-painted all dead end barricades

- Supply barricades for motorcycle show 

- Supply barricades for Marauder's Car show/Rod run 

- Repaint traffic stripes on Second St. and install new Turn Lane arrows at Second St. and Main St.

- Set up detour route for Old Settler's Celebration 
  - This involves the setting up and taking down of approximately 145 barricades, and 80 temporary no parking signs. Preparation for this event takes an entire week.

- 26 regulatory signs were replaced (stop, speed limit, no parking etc.)
- 17 street name signs were replaced
- Install paving tape (hash markings) on Second St. where needed
- Paint parking stripes on City Hall parking lot.

Mulvane Fire Rescue
2012 Annual Report

ISO Class 3

August 2012 - Maria Court

Mulvane Fire Rescue responded to 436 alarms in 2012. This sets a new record beating last year's 389 alarms by 47 alarms. We have hovered around one call per day for about the last 5 years. Our call volume was over average every month in 2012 and we set new call volume records 7 months.

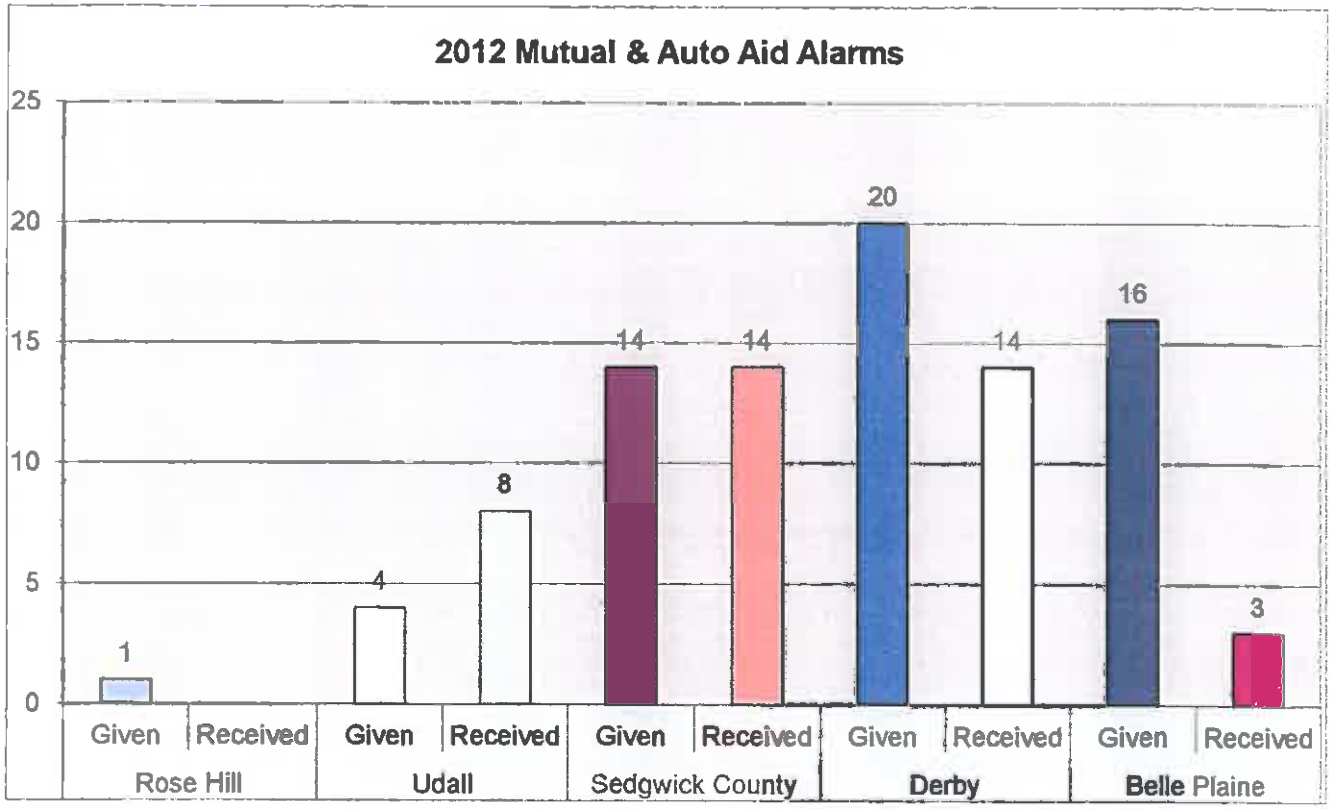
This was the first year for full operations at the Kansas Star Casino. Mulvane Fire Rescue responded to 39 alarms at this complex. Our average response time for a first responder to be on-scene was 9.5 minutes. We responded to one vehicle fire, two gas leaks, 8 false system alarms, 4 MVA's, 1 person trapped in an elevator and 12 EMS assists for critical patients and 11 Second-Out ambulance calls.

Two firefighters, Jessica Whitehead and Nick Ryan, obtained their EMT certification thru Cowley County CC this year. 67% of our members are trained as Medical First Responders or above.

Mulvane Fire Rescue has a dedicated Training & Safety Lieutenant with 3 nationally certified Instructor 1's. 83% of our department is nationally certified to Firefighter 1, 5 members are waiting on a class. We require all members to be Firefighter 1 certified within 5 years of membership and offer the class in-house every couple of years free of charge thru Kansas University Fire Service Training. 47 % of our department is nationally certified to Firefighter II.

Haz-Mat awareness is taught annually to 100% of our membership with 63% our members certified to Haz-Mat Operations. 23% of our members are trained as Incident Safety Officers. 23% of our department is nationally certified as Driver Operator / Pumper.

We have credentialed our firefighters to NIMS standards according to their certifications. We meet all FEMA training standards that are in effect at this time. 100% of our members are 100 & 700 NIMS certified. 83% have NIMS 200, 23% are NIMS 300, 63% are NIMS 800 certified and 10% have obtained NIMS 400.

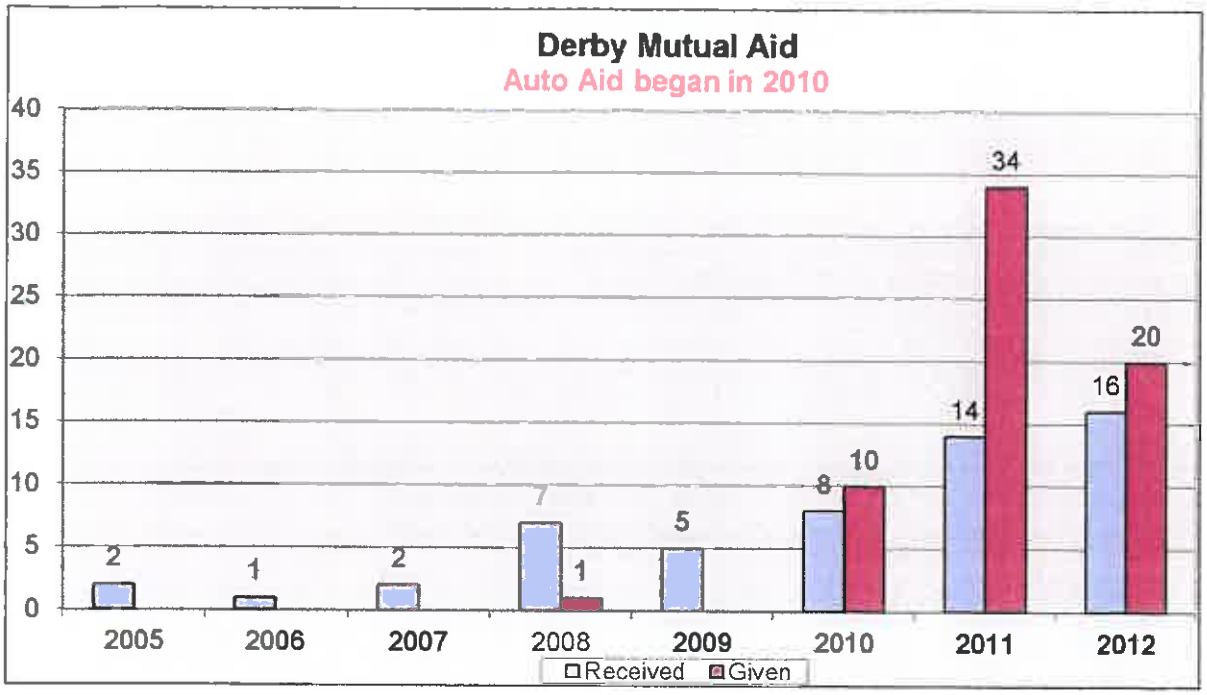


Mulvane received Aid 39 times, gave aid 55 times.

Mulvane Fire Rescue has seven Mutual Aid and three Automatic Aid agreements. The Automatic Aid agreements help property owners in and around the Mulvane area by lowering their ISO rating which reduces their Insurance Premiums. These agreements help Mulvane Fire Rescue by automatically starting more resources, both manpower and equipment, to potential high risk, high loss situations. It also allows the City of Mulvane to give something back to our surrounding community at a very minimal cost.

SCFD #1 will respond to areas west of the BNSF railroad tracks in Mulvane, which includes the newly opened Kansas Star Casino. The goal is to provide a timely response to residences & business owners without train delays. Mulvane Fire Rescue will respond to an area from Oliver and 95th Street South to the Butler / Sumner County lines.

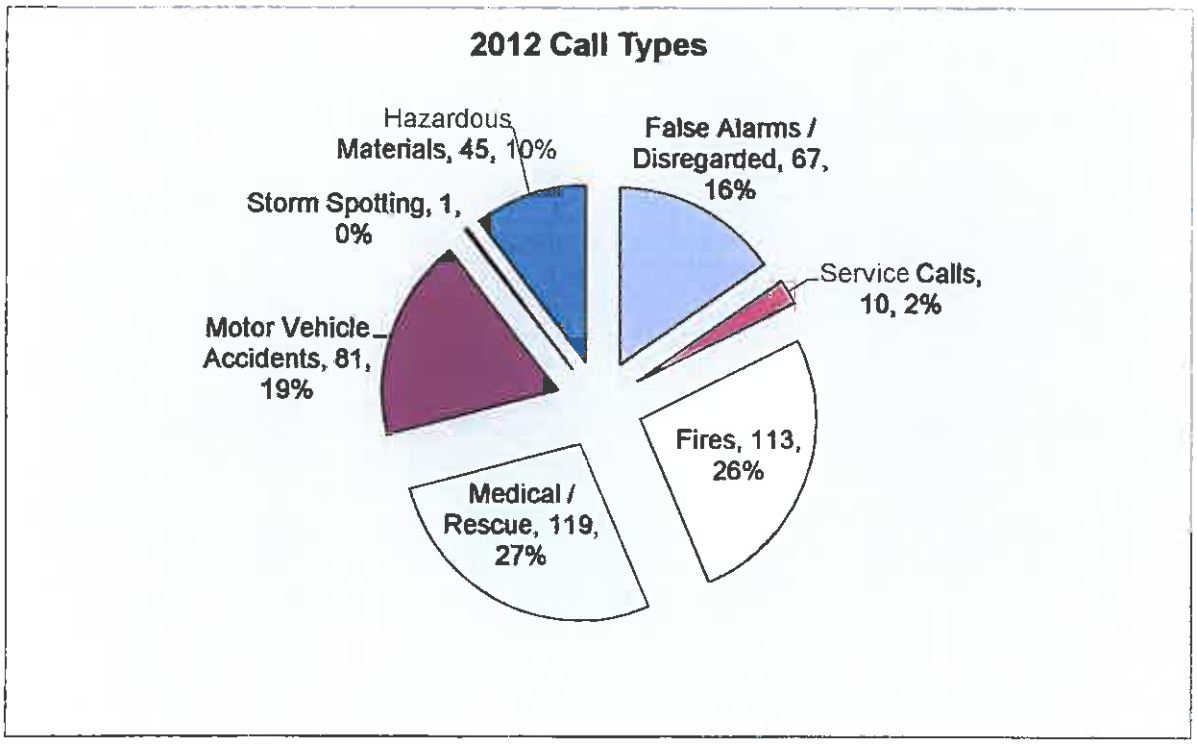
Mulvane Fire Rescue has a verbal Automatic Aid agreement with Cowley County FD #4 out of Udall. This aid agreement is for a Water Tender response into Fire District #12 for all rural fire alarms. This was created due to the water emergency that has been in effect since July 2011. Several residences in Fire District #12 benefited from this agreement with lower insurance rates. Mulvane does not automatically respond back into Cowley County at this time unless requested for Mutual Aid.

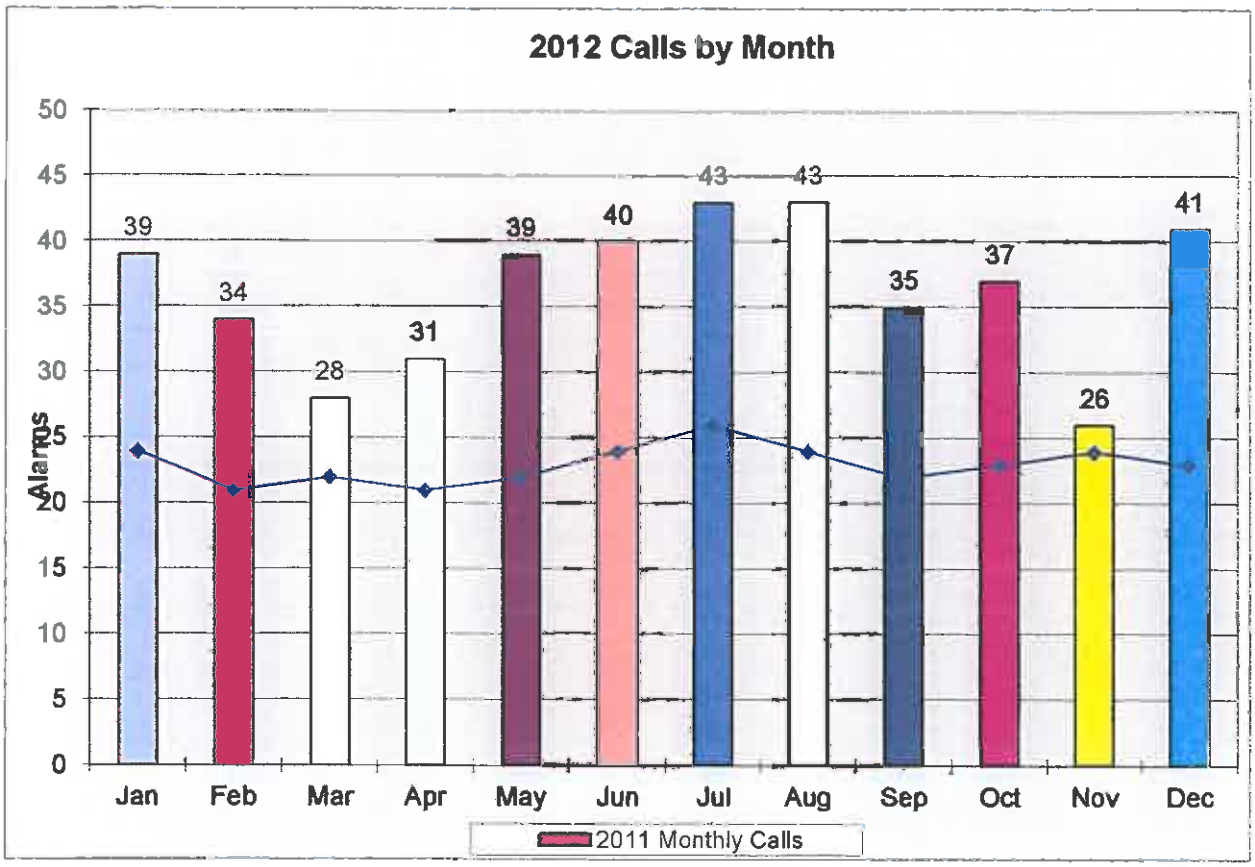


Mulvane Fire Rescue entered into its first auto-aid agreement with Derby Fire Rescue in March of 2010. This response is only for Structure Fires within Derby or Mulvane City Limits. Mulvane was requested by Derby Fire Rescue 20 times in 2012, however we disregarded on 13 of these alarms once Derby arrived and had the situation under control. Mulvane requested Derby 16 times in 2012 and Derby was disregarded twice.

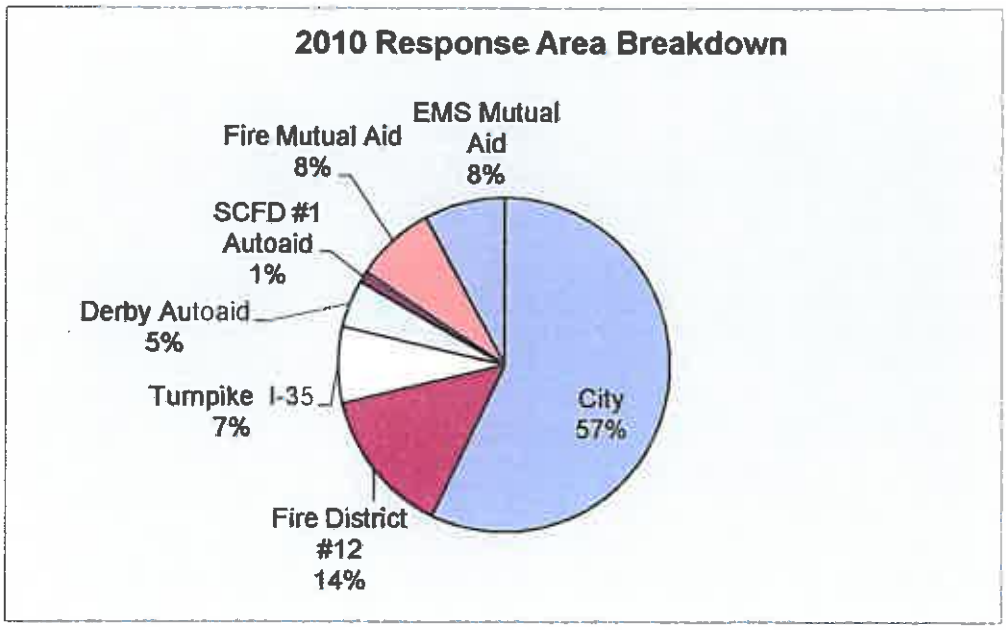
Derby FF Spillman opens up an attic 322 E. Main – October 2012

Mulvane assisting Sedgwick County on 103rd Street – August 2012





Our Junior Fire Reserve program has 5 cadets this year, ages 14 through 18. Fire Inspections and plans review have been a full time job this year with the construction of the new Kansas Star Casino and Hampton Inn. Inspections have been weekly, sometimes daily. Sedgwick County Fire District #1 has also been contracted to assist with inspections & plans reviews.



Right of Way Fire on 140th Ave - June 2012

Drought conditions resulted in several large multi-agency wildland fire responses in 2012.

2012 Mulvane Volunteer Firefighters

Mulvane Fire Rescue has 7 new members signed up for our January 2013 recruit class. These recruits will complement our current staff of 30 firefighters.

MULVANE POLICE DEPARTMENT

CITY OF MULVANE, KANSAS

YEAR END REPORT

2012

DAVID W. WILLIAMS

PUBLIC SAFETY DIRECTOR

MISSION STATEMENT

The Mulvane Police Department will do everything in its power to provide protection, arrest law-breakers, and to be of service to all citizens within the community in a professional and ethical manner.

This is the basic mission of every member of the Department and it can be realized by:

1. Effective Use of Resources
2. Utilization of Creative Innovation
3. Acquisition of Enhanced Public Safety Technology
4. Acquisition of Community Involvement and Support

STATE OF THE DEPARTMENT

There was no officer turnover during the year. Two dispatchers left and two were hired. The year ended with 12 full-time officers and 6 dispatchers.

WORK PROJECTS

The City of Mulvane transferred $30,000.00 to the City of Derby to assist in re-building their pistol range. An agreement was reached in that the City of Mulvane will be able to utilize that range indefinitely. The cost to re-build the Mulvane pistol range would have cost the city close to $200,000.00.

Two new police vehicles were purchased in 2012. Both are Chevrolet Tahoes. These provide additional room for the officers with better warning light systems and improved graphics.

The Kansas Star Casino has created additional work for the officers. We have been able to meet the demand so far. The increase has been less than I anticipated.

Officers remain on 12-hour shifts at their request.

GOALS AND OBJECTIVES

1. Increase DUI arrests by 5%.

   Arrests increased by 353%. This is due to diligent patrol efforts in looking for DUIs and with additional officers working nights, it is easier to handle such incidents.

2. Maintain accident rate.

   Accidents increased by 26%. This is still well below the 10-year average.

3. Budget

   The goal is to finish 5-10% below budget. This past year saw the Police Department exceed their budget by 5% due to unforeseen issues with building maintenance, vehicle maintenance, and the officers moving to 12-hour shift. These areas have been addressed in the 2013 budget.

4. Sick Leave and Overtime

   The goal was a 5% reduction in each area. Sick Leave decreased by 20%. Overtime was up by 39%. Investigations and additional arrests by patrol increased the overtime.

5. Vehicle Maintenance

   Maintenance cost rose by 175% from 2011. Our fleet is aging and we are trying to replace the older units as soon as practical.

STATISTICS

Calls for Service	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	3033	3202	3113	3561	4398	4182	3856	3669	3508	3702

This is a 5% increase from 2011. 348 of these calls were to the casino. The ten-year average is 3622 per year.

Cases	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	788	840	648	622	836	704	691	633	658	744

This is a 13% increase from 2011. The ten-year average is 719 per year.

Tickets	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	947	1208	1284	864	752	733	639	517	623	658

This is a 5% increase from 2011. The ten-year average is 822 per year.

Warnings	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	593	884	981	1381	1327	982	1044	1265	1801	1994

This is a 10% increase from 2011. The ten-year average is 1225 per year.

DUI	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	25	26	71	20	22	18	25	17	15	68

This is a 353% increase from 2011. The ten-year average is 30 per year.

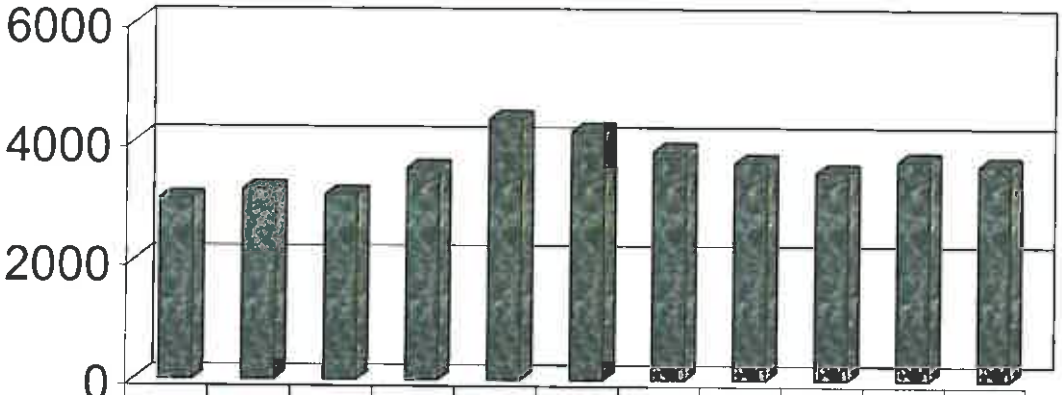
Accidents	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	49	46	50	50	54	57	42	52	38	48

This is a 26% increase from 2011. The ten-year average is 48 per year.

Arrests	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	179	325	314	200	236	224	229	214	213	316

This is a 48% increase from 2011. The ten-year average is 245 per year.

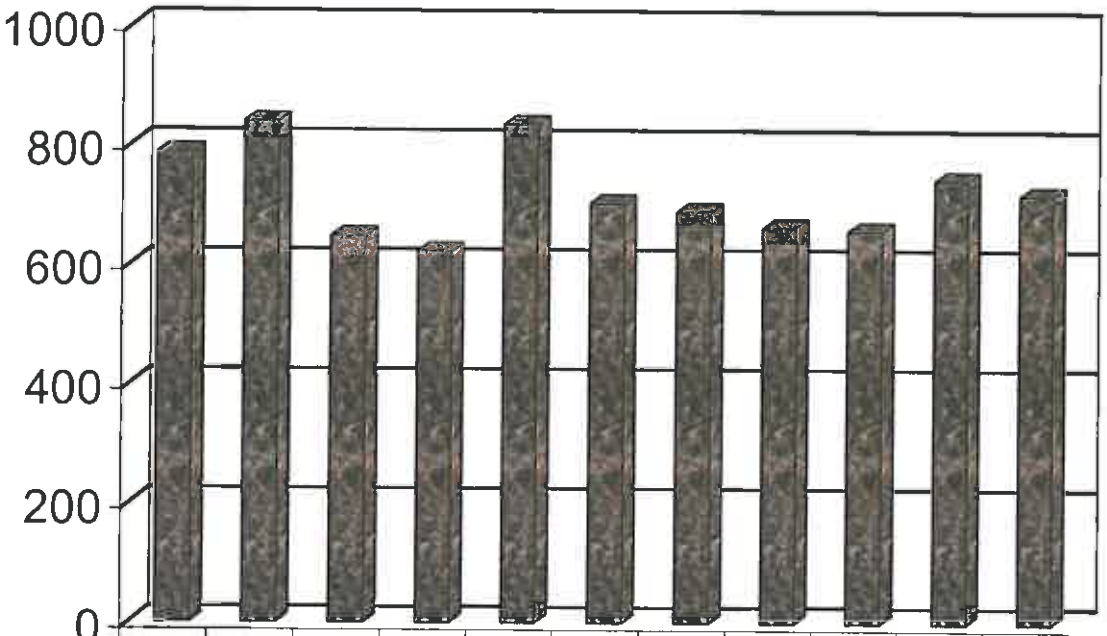
CALLS FOR SERVICE



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Ave.
Series1	3033	3202	3113	3561	4398	4182	3856	3669	3508	3702	3622

5 % Increase
From 2011
348 Calls to the Casino

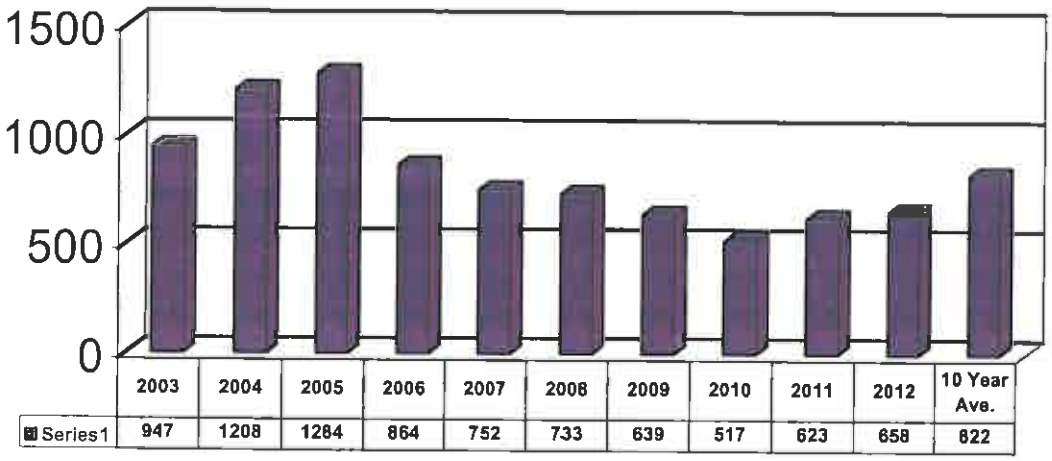
POLICE CASES



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Ave.
Series1	788	840	648	622	836	704	691	663	658	744	719

13% Increase
From 2011

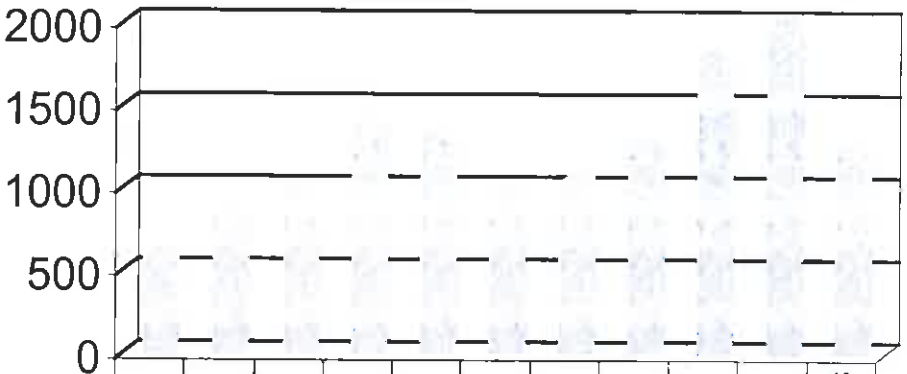
MOVING CITATIONS



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Ave.
Series1	947	1208	1284	864	752	733	639	517	623	658	822

5% Increase
From 2011

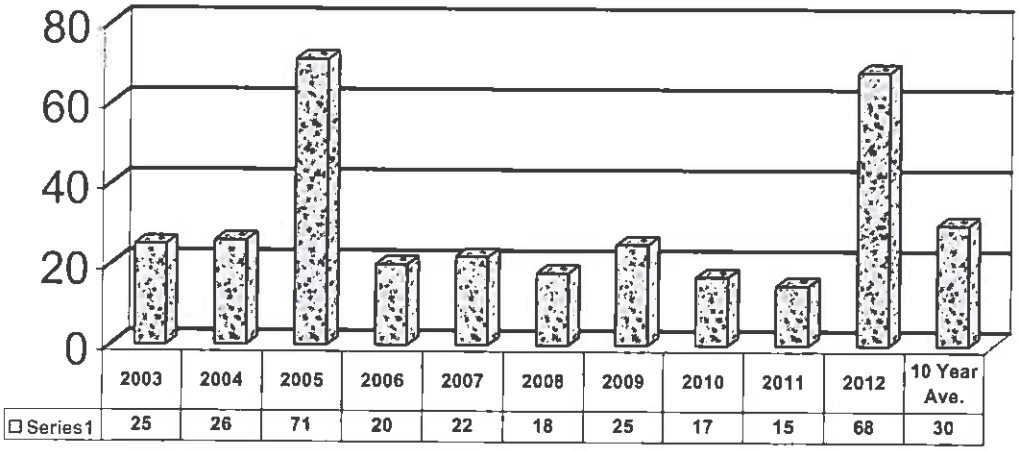
WARNING CITATIONS



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Ave.
Series1	593	884	981	1381	1327	982	1044	1265	1801	1994	1225

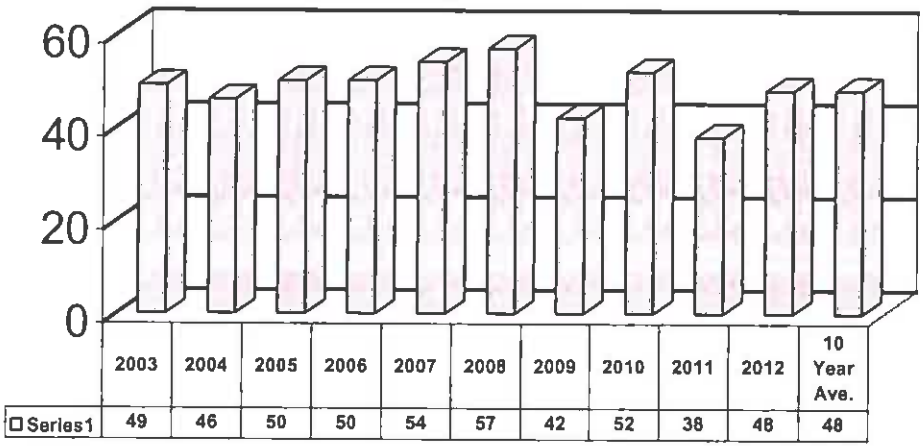
10% Increase
From 2011

DUI ARRESTS



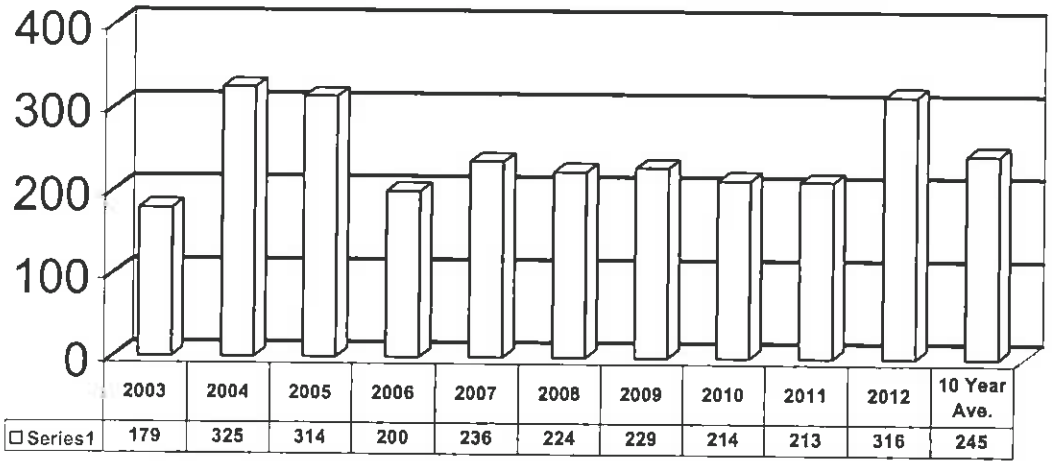
353% Increase
From 2011

TRAFFIC ACCIDENTS



26% Increase
From 2011

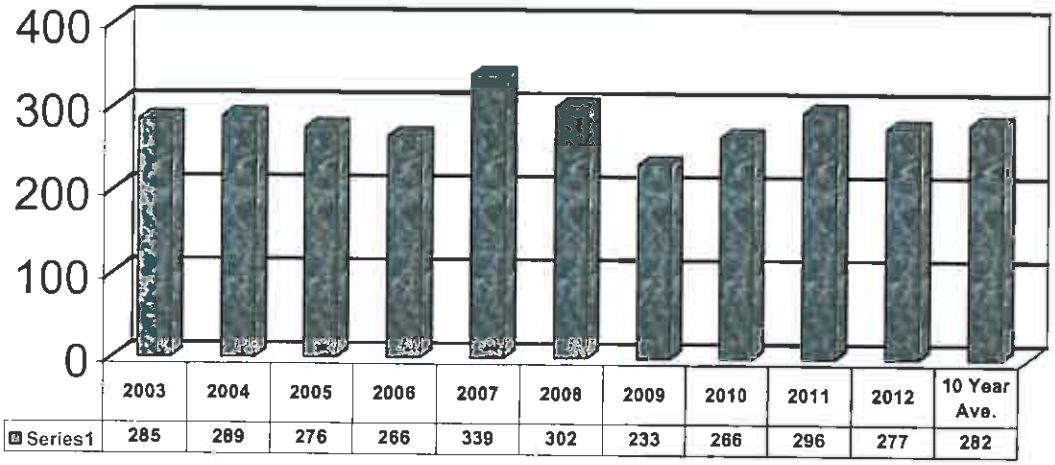
PERSONS ARRESTED



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Ave.
Series1	179	325	314	200	236	224	229	214	213	316	245

48% Increase
From 2011

CRIMES REPORTED



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	10 Year Ave.
Series1	285	289	276	266	339	302	233	266	296	277	282

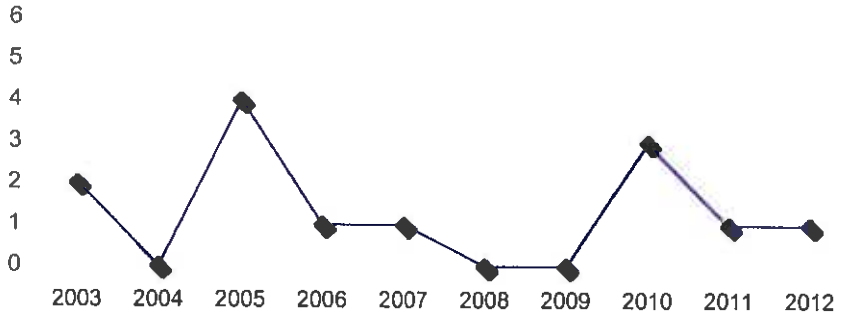
6% Decrease
From 2011

CRIMES REPORTED IN MULVANE

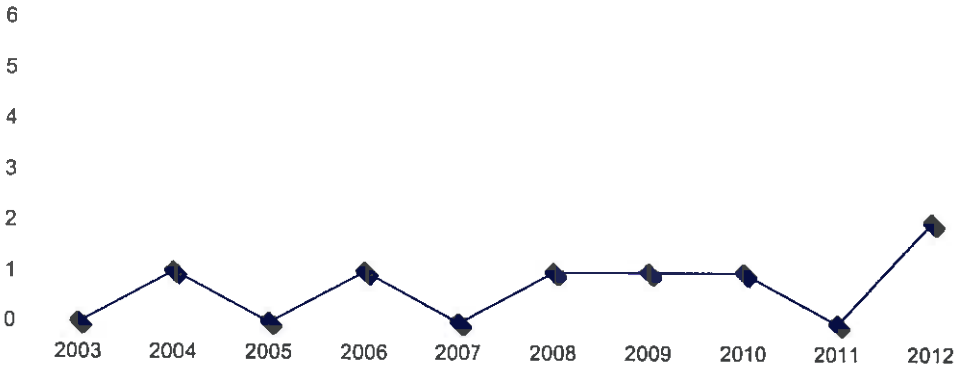
Classification	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Murder	0	0	0	0	0	0	0	0	0	0
Rape	2	0	4	1	1	0	0	3	1	1
Robbery	0	1	0	1	0	1	1	1	0	2
Agg.Asslt.	4	7	7	0	3	2	5	5	1	3
Res.Burg.	5	6	11	7	18	11	9	12	13	17
NR Burg.	9	5	4	3	10	9	10	6	9	2
Larceny	80	91	93	131	165	127	97	98	107	106
Auto Theft	4	3	2	0	0	1	2	0	2	11
Misd. Asslt.	53	41	49	41	39	34	29	49	48	36
Vandalism	79	76	53	67	71	65	40	65	63	33
Dis.Conduct	36	35	17	8	4	11	10	10	19	7
Drug Viol.	8	14	18	6	23	32	21	5	23	48
Liquor Viol.	5	7	17	1	5	8	9	12	9	11
Arson	0	3	1	0	0	1	0	0	1	2
TOTAL	285	289	276	266	339	302	233	266	296	277

This is a 6% decrease from 2011. The ten-year average is 282 per year.

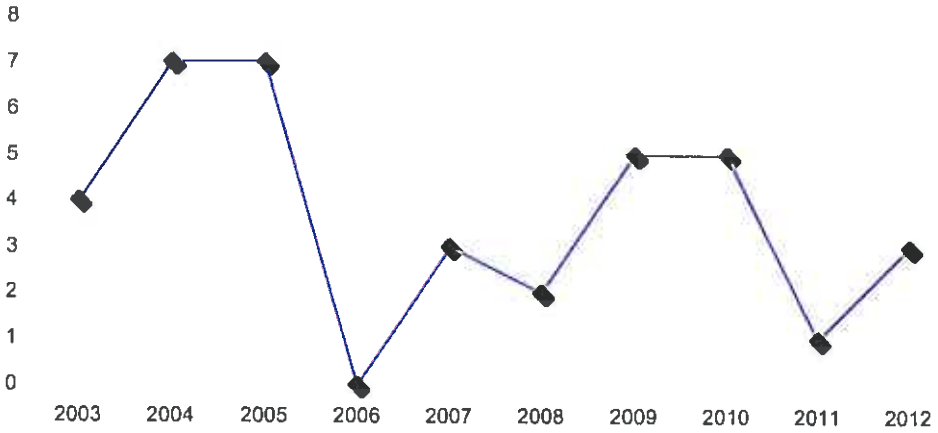
RAPE



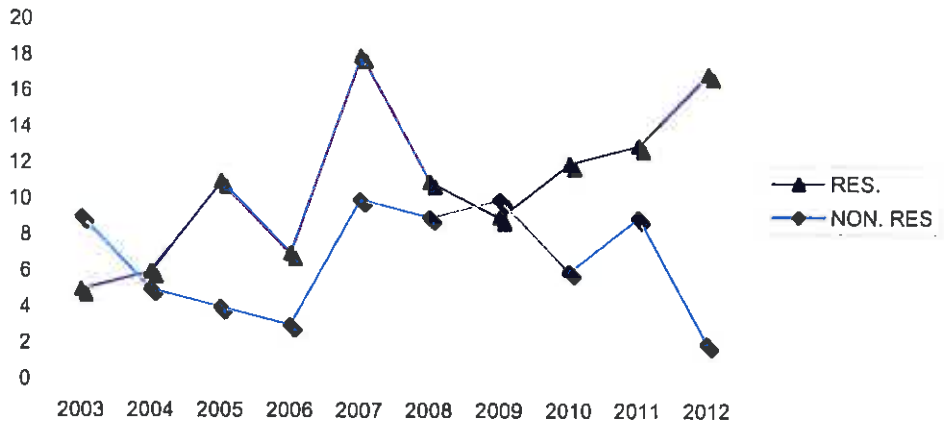
ROBBERY



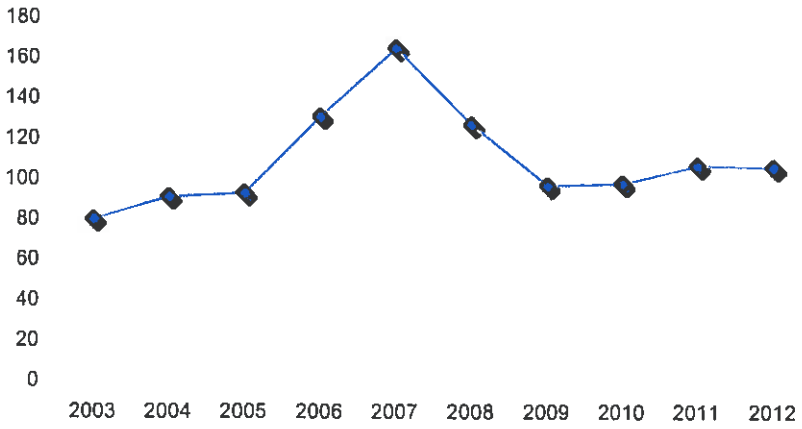
AGG. ASSAULT



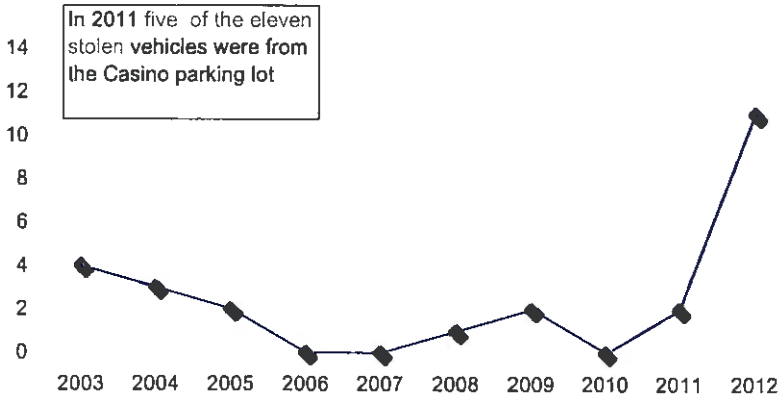
RES.& NON-RES. BURGLARY



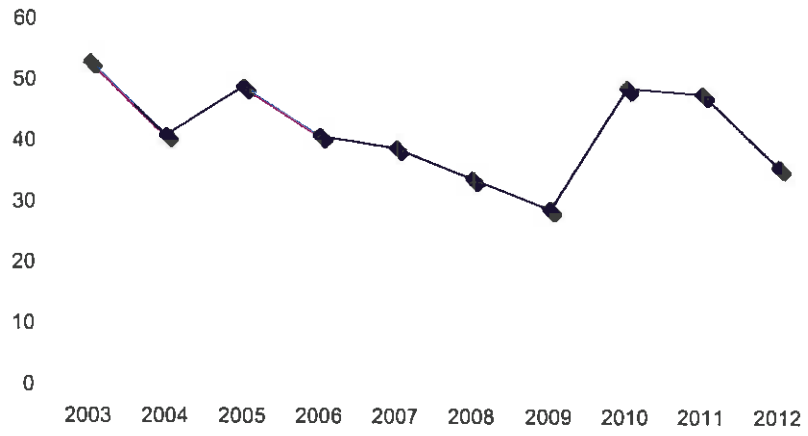
LARCENY



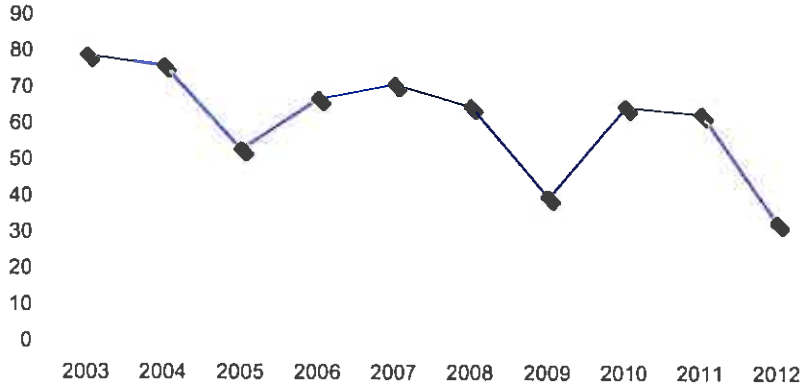
AUTO THEFT



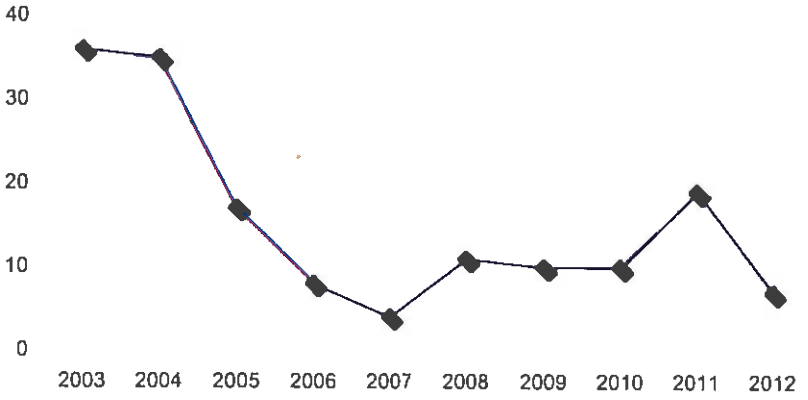
MISD. ASSAULT

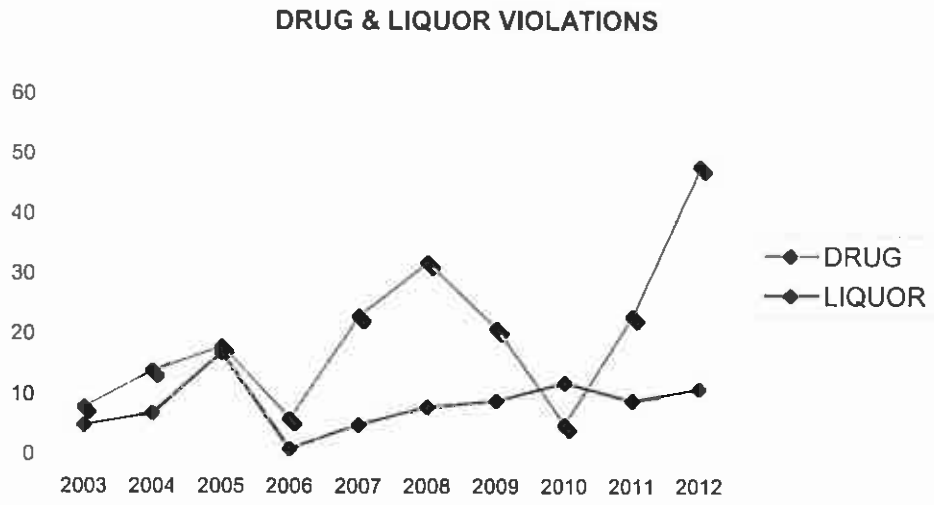


VANDALISM



DISORDERLY CONDUCT




DRUG & LIQUOR VIOLATIONS
60
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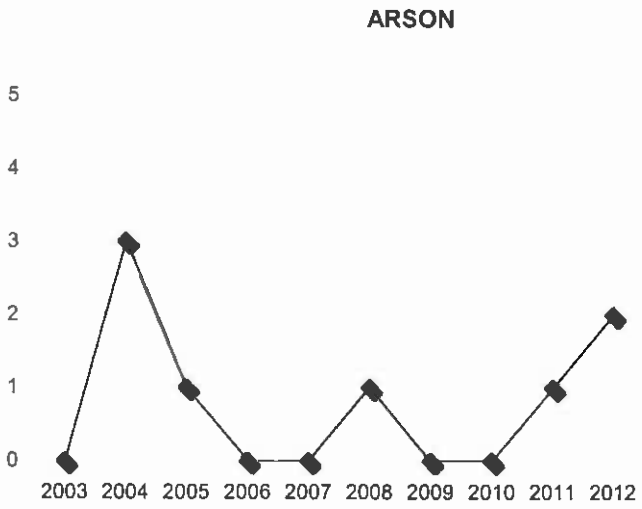
2012
DRUG
LIQUOR


ARSON
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2003
2004
2005
2006
2007
2008
2009
2010
2011
2012

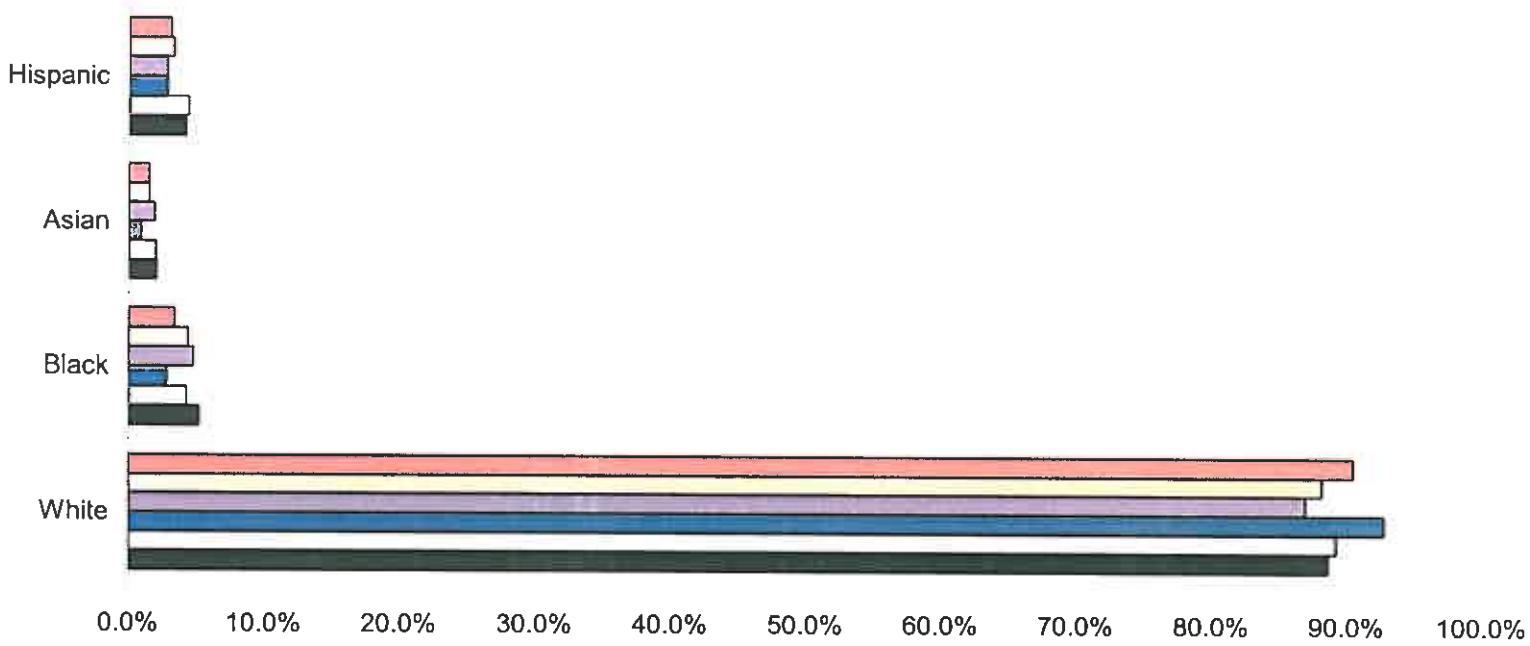
BIASED BASED POLICING

The Mulvane Police Department began tracking whom they wrote moving and warning citations to in September 2004. The Mulvane Police Department does not and will not tolerate any bias against any race, sec, or creed.

Tickets	White	Black	Hispanic	Asian
2007	88.7%	5.2%	4.2%	2.0%
2008	89.3%	4.3%	4.4%	2.0%
2009	92.8%	2.8%	2.8%	0.9%
2010	87.9%	4.8%	2.8%	1.9%
2011	88.2%	4.4%	3.3%	1.5%
2012	90.5%	3.4%	3.1%	1.5%

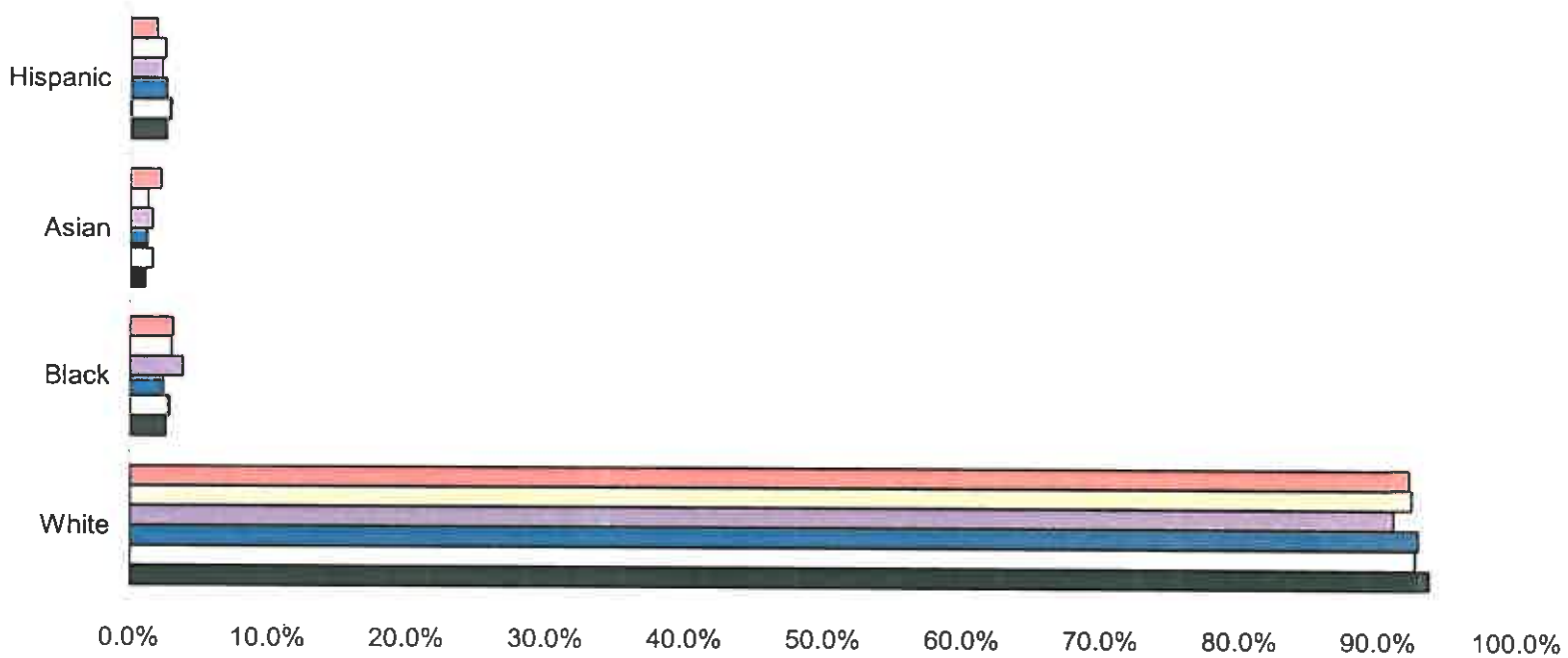
Warnings	White	Black	Hispanic	Asian
2007	93.7%	2.6%	2.6%	1.1%
2008	92.7%	2.8%	2.9%	1.6%
2009	92.9%	2.4%	2.6%	1.2%
2010	91.1%	3.8%	2.3%	1.6%
2011	92.4%	3.0%	2.5%	1.3%
2012	92.2%	3.1%	1.9%	2.2%

Biased Based Policing -Tickets



	White	Black	Asian	Hispanic
2012	90.5%	3.4%	1.5%	3.1%
2011	88.2%	4.4%	1.5%	3.3%
2010	87.0%	4.8%	1.9%	2.8%
2009	92.8%	2.8%	0.9%	2.8%
2008	89.3%	4.3%	2.0%	4.4%
2007	88.7%	5.2%	2.0%	4.2%

Biased Based Policing-Warnings



	White	Black	Asian	Hispanic
2012	92.2%	3.1%	2.2%	1.9%
2011	92.4%	3.0%	1.3%	2.5%
2010	91.1%	3.8%	1.6%	2.3%
2009	92.9%	2.4%	1.2%	2.6%
2008	92.7%	2.8%	1.6%	2.9%
2007	93.7%	2.6%	1.1%	2.6%

OVERTIME – SICK LEAVE

The Department switched to a 4-day work week in 1996. We switched again in 2012 to 12-hour shifts to accommodate the casino workload.

Year	Overtime (hours)	Sick Leave (hours)
1995	1411	691
1996	818	812
1997	1267	599
1998	898	952
1999	763	920
2000	878	511
2001	920	601
2002	907	910
2003	1069	1434
2004	863	947
2005	1022	1066
2006	793	858
2007	960	910
2008	1162	1124
2009	983	823
2010	795	1186
2011	781	1580
2012	1088	1250
18 yr. Avg.	965	953

CUSTOMER SERVICE

The Department randomly contacts citizens who have had contact with us over the year. Whether as a victim, witness, or someone who even received a traffic ticket, we strive to treat our citizens with respect and it shows.

Year	Contacts	Satisfied	Unsatisfied	% Approval
1996	66	64	2	96.9%
1997	58	56	2	96.5%
1998	84	82	2	97.6%
1999	91	89	2	97.8%
2000	92	91	1	98.9%
2001	87	86	1	98.8%
2002	87	85	2	97.7%
2003	103	101	2 neutrals	98.0%
2004	93	92	1	98.9%
2005	90	90	0	100.0%
2006	99	99	0	100.0%
2007	96	95	1	98.9%
2008	97	96	1 neutral	98.9%
2009	100	100	0	100.0%
2010	98	98	0	100.0%
2011	96	95	1	98.9%
2012	97	96	1	98.9%
TOTAL				
	1534	1515	18	98.7%

CONCLUSION

2012 proved to be a good year. Crime is down, workload is up, turnover is down, and we have meshed well with the KRGC and the casino security staff.

We will add two additional police officers in January of 2013. We continue to make DUI enforcement a priority and with additional officers working at night, the number of arrests rose dramatically.

I have been deeply involved in the planning of a new EMS/Fire station on the casino property. I anticipate that this building will be completed in the summer of 2013. As a result, full-time paramedics will be hired to fully staff two ambulances 24/7.

We are beginning to feel the lack of space in the police department building. I will plan to put this item on the Capital Improvement Project list for 2017.

Our police fleet continues to be up-graded to keep maintenance costs down. We very well may need to add one additional marked unit to the fleet within the next year.

On behalf of the members of the Police Department, I would like to thank the city council, mayor, and city administrator for your continued support and commitment to your Police Department.

David W. Williams
Public Safety Director

2012 YEAR END REPORT

KENDRA I WALLS

PARKS SUPERINTENDENT

Parks Department 2012

Total Man Hours	5280
Office Work Hours	840
Street & Highway Mowing Hours	1085
Parks Employee's Sick Leave	170
Trees Removed	23

New Purchases in 2012

F3080 4x4 72" Kubota Mower
Weed eater
Leaf blower
Material to repair bridges in English Park
Paint for the Band Shell for Old Settlers

Parks Department for 2012:

Maintain City Hall Grounds
Maintain EMS Building Grounds
Maintain Library Grounds
Maintain Grounds at both the Power and Sewer Plant
Maintain Grounds at East Water Reservoir
Maintain Grounds at Quad County
Ice and Snow removal - City Hall, Library, EMS Building and sidewalks from Filmore Street to the Baptist Church, Library to 4th & Main, Ridgecrest to High School, Plaza Lane to Sunset, Country Walk to the High School, and Quad County.
Mow and keep clean all the Water Ways to the Arkansas River
Mow over 62 miles of Road Way per week
Set up Main Street Park and Band Shell for Old Settler's Weekend
Pick up Commodities from Wichita and deliver to the Senior Center
Water and Maintain Flowers Downtown, Hang Flags for all Occasions
Weed Eating on K-15 from City Limit to City Limit
Hang Christmas Lights on Main Street, Second Street, Rock Road and K-1

Sport Complex 2012

Total Man Hours	3520
Total Sick Leave Hours	133
Fertilizer and Turface Cost	$ 3,434.92
Maintenance and Repair Cost:	
Building and Equipment	$ 17,185.84

New Purchases in 2012

Weed Eaters
Stihl Edger
Push Mower
Turbo Goosen Vac
Heat & Air Conditioning Unit
Tractor with bucket and fork
Concrete slabs for new bleachers

Mulvane Parks Department

2012 Expenses for School District

Prepared the Fields and Restrooms for all Practices and Games

Prepared and Set Up For Boys and Girls High School Soccer Games (Spring & Fall)

Set up Bleachers at High School for Prom

Parks Department Summary for 2012

January-Removed Christmas lights and painted restrooms and concession stand at the Sports Complex, and serviced all mowers and weed edger's for the upcoming mowing season. In addition, we rebuilt and repainted picnic tables and removed snow and ice throughout the month. Rented a stump grinder to grind out all the tree stumps that we cut all year.

February-Completed the repairs and finished painting the picnic table's project from January. Cleaned the gutters at Main Street Park and began to pick up trash throughout the mowing route. At the Sports Complex the crew put down red shale on the ball fields as well as continually working to remove snow and ice throughout the city.

March-Opened the Sports Complex and began preparation for upcoming ball games, such as, mowing, edging, and finished application of shale. Next all of the bridges in the parks were repainted.

April- Next we began mowing including: the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, Sports Complex, and pruned trees followed by taking the bleachers to the High School for Prom.

May-Prepared the parks for numerous reunions, watered and pruned the trees throughout the city as well as continuing mowing including: the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, and Sports Complex. Lastly we assisted in setting up the pool for the season and watered flowers downtown. The high school students did a community project and painted all the bridges in the parks green.

June-Picked up Commodities for the Senior Center, continued mowing including: the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, Sports Complex and pruned trees followed by watering flowers downtown.

July-Set up for the 4th of July at the Sports Complex and worked the fields and worked on waterlines. Next we mowed the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, Sports Complex, and pruned trees. In addition to mowing we watered flowers downtown, and cleaned out the fountain at Cobb Park. Lastly we picked up Commodities for the Senior Center.

August-With this being Old Settlers month we began by completion of mowing the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, Sports Complex, water flowers downtown, and weed edged. Prepared downtown for Old Settlers and cleaned after Old Settlers.

September-Sports Complex: prepared fields for football, soccer, and slow pitch. Over seeded the Sports Complex. Next we mowed the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, Sports Complex, street easements and pruned trees.

October-Cut down dead pine trees throughout City. Worked the ballfields. Mowed the parks, street canals, City Hall, EMS, Library, Quad County, CC Park, Sports Complex, and pruned trees. Rebuilt the bridges in English Park.

November-Winterized: Sports Complex, Main Street Park, all Parks equipment, and then collected picnic tables throughout the City and the Sports Complex to paint and repair. Collected supplies for the picnic table repairs and fixed Christmas Lights followed by hanging them throughout the City. Raked leaves at City Hall and Library and then watered new trees and plants at EMS building, daily. Completed safety meetings.

December-Picked up supplies to fix the benches in the down area. Began repainting and rebuilding picnic tables at Sports Complex and Parks and assisted EMS with the Toys for Tots drive. Picked up Commodities for the Senior Center and worked in shop on the equipment. Checked Parks on a daily basis for damage. Picked up trash and checked Christmas Lights.

CITY OF MULVANE PARKS AND EQUIPMENT

OLD MAIN STREET PARK-1.1 ACRES

Band Shell, Playground Equipment, Restrooms, Picnic Tables, and Two (2) Barbeque Grills

RALPH BELL PARK- 5.9 ACRES

Picnic Tables, Two (2) sets of Playground Equipment, Barbeque Grills, Three (3) Basketball Courts, Tennis Courts, Horseshoe Pits, Port-o-Pots, Skate Board Park

FAIRCHILD PARK -3.2 ACRES

Two (2) Softball Fields

SPORTS COMPLEX-39 ACRES

Two (2) Softball Fields with lights, One (1) Baseball Field with lights, Two (2) T-Ball Fields with lights, five (5) Soccer Fields, Restrooms, Concession Stand, Playground Equipment and Fishing Pond

ENGLISH PARK -7.3 ACRES

Shelter House, Two (2) Sand Volleyball Courts, Barbeque Grills, Two (2) Basketball Courts, Playground Equipment, Walking Path, Benches, Fire Truck, Little Digger

NORTHVIEW NEIGHBORHOOD PARK -1 ACRE

Playground Equipment, Picnic Tables, Satellite Climber

ROCKWOOD NEIGHBORHOOD PARK-.62 ACRES

Playground Equipment, Picnic Tables, Satellite Climber, Little Digger, Dino Dig

SETTLERS PARK- .43 ACRES

Playground Equipment, Basketball Court, Picnic Tables, Maypole

TRAIL RIDGE NEIGHBORHOOD PARK- .75 ACRES

Playground Equipment, Picnic Tables, Tunnel Slide, 6ft Merry Go Round

COLLIER PARK- .33 ACRES

Playground Equipment, Picnic Tables

WILLOWDELL PARK – 2.4 ACRES

Horseshoe Pits and Picnic Tables

CHAMBER OF COMMERCE PARK - .25 ACRES

Park Benches and Walk Thru

HAZEL CRAIG PARK- .75 ACRES

Playground Equipment and Picnic Tables, School Bus, Satellite Climber

COBB PARK -.75 ACRES

Fountain, Benches and Museums

103RD STREET PARK- 4 ACRES

Yet to be named and unfinished

CARSON PARK – 1.5 ACRES

Twin Lake Area, Playground Equipment and Picnic Table, 8ft Merry Go Round

Total Number of Trees

Tree Maintenance	30
Tree Removals	23

Mulvane EMS
Year-end Report
2012

Personnel

EMS is a combination of part-time paid and volunteer personnel with different levels of certification.

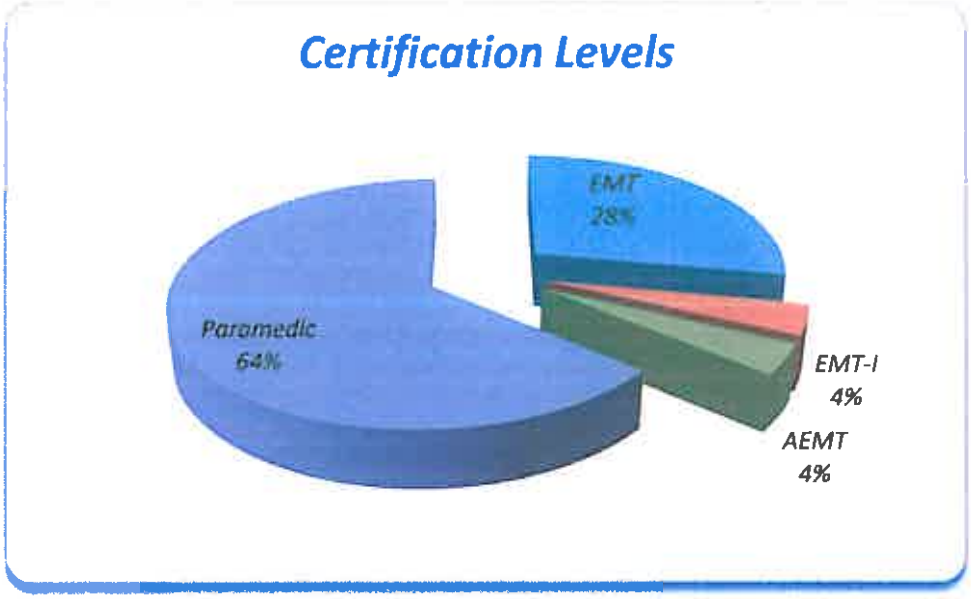
Mulvane is licensed with the State of Kansas as a Type 2A service. This licensure allows us to provide BLS (Basic Life Support) and ALS (Advanced Life Support) care. It requires a minimum of a Emergency Medical Responder and EMT to be on the ambulance when transporting. A brief definition of the levels of certifications is as follows:

First Responder – Assist other levels of care (This certification was changed to Emergency Medical Responder with more skills added.)

EMT-B (Emergency Medical Technician – Basic) – Provides Basic Life Support (This certification was changed to EMT with more skills added.)

EMT-I (Emergency Medical Technician –Intermediate) – Provides Basic Life Support and starts IV's without medications. (This certification is being changed to AEMT with broad changes in skills.)

MICT (Paramedics) – Provides Advanced Life Support by administering medications and monitoring EKG. (This certification changed to Paramedic.)



758 patients received an MICT evaluation.
35 received care from an EMT or EMT-I. (This is in large part due to second or third-out calls.)

Level of Care

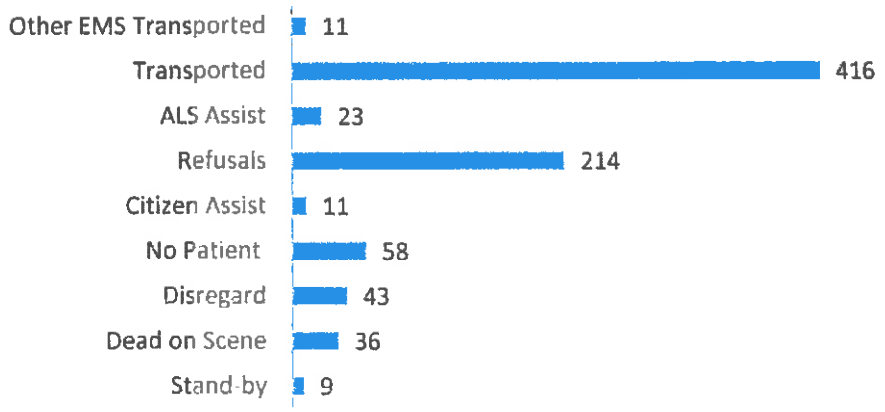
As well as their paperwork, truck and equipment checks, blood pressure checks, and walk-in patients the crews are also responsible for the building janitorial duties.

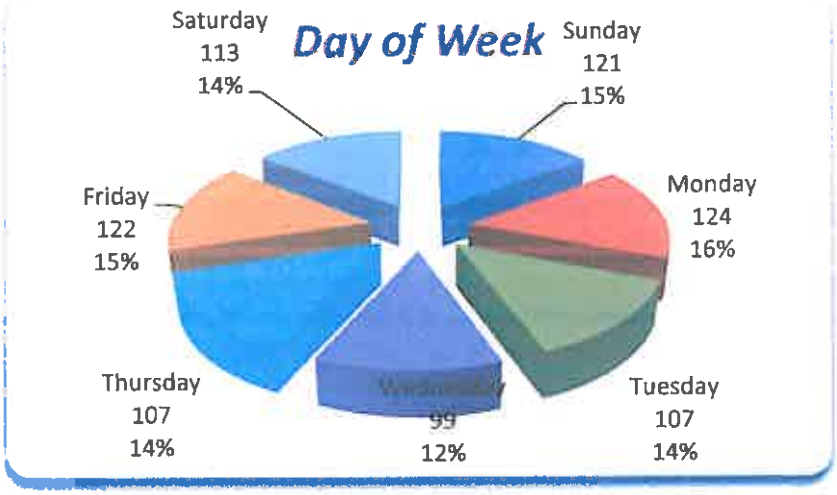
Calls

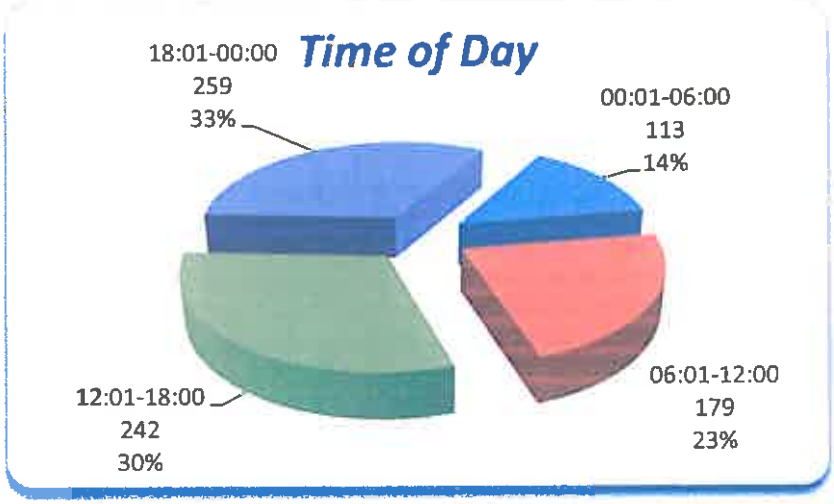
Following is a brief explanation of the different outcomes and how many there were of each:

Transported – Patient went to hospital.	416
Transported by other EMS – Second-out calls.	11
ALS Assist – MICT provided care for Belle Plaine EMS.	23
Refusals – Patient decided to not go by ambulance .	214
Citizen Assist – Provided lifting assistance.	11
No Patient Found – Good intent calls.	58
Disregard – Determined not needed by Duty Officer or requesting agency.	43
Dead on Scene – Signs of obvious death evident.	36
Stand-by – Rodeos, Gun Shoot, Football Games, and Fires.	9

Outcome







The patient volume increased 54 calls this year as is shown in the chart below. The red numbers indicated highest responses for that month or year. There were four months that became the highest and the total call volume was highest ever.

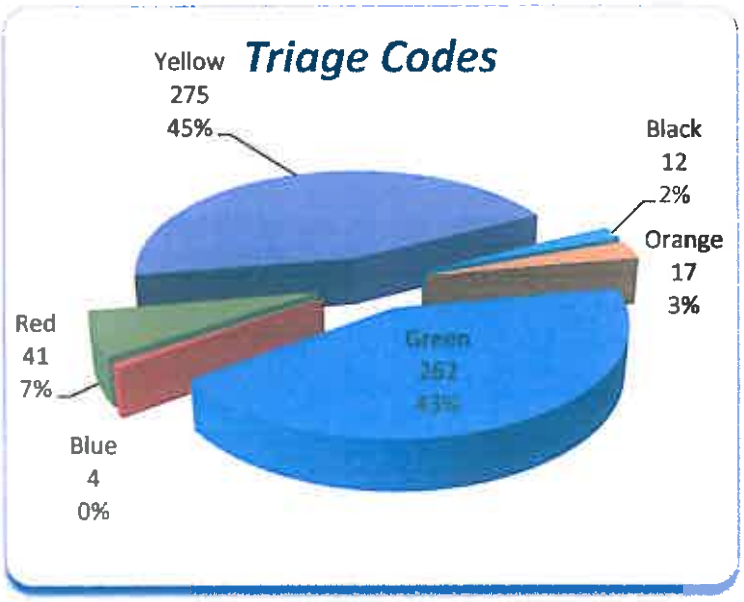
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
January	51	31	43	49	62	60	35	45	72	76	53	57	53
February	45	50	42	42	45	58	42	54	67	57	66	54	67
March	51	37	58	32	46	39	46	61	60	66	65	63	62
April	50	54	51	40	50	54	58	56	56	53	61	62	80
May	50	40	49	51	77	43	65	53	65	68	72	64	78
June	42	48	39	54	53	51	52	40	55	76	66	51	57
July	45	46	53	60	50	37	50	42	58	59	78	60	52
August	55	68	59	59	53	50	65	84	60	77	65	91	72
September	47	44	52	59	52	40	43	61	56	55	59	56	71
October	39	43	37	66	53	44	51	67	67	68	61	61	65
November	32	48	40	31	52	51	53	74	56	61	61	69	63
December	56	56	51	51	52	42	46	70	71	71	55	51	73
Total	563	565	574	594	645	569	606	707	743	787	762	739	793

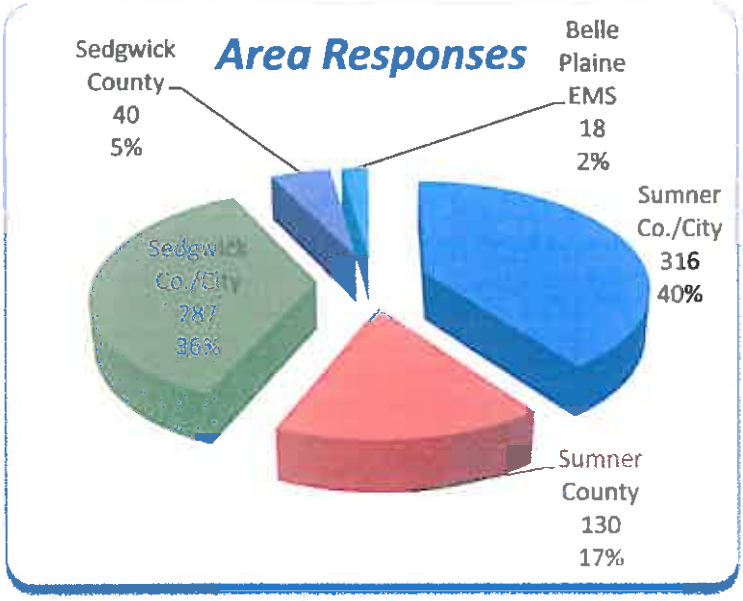
Graphs of Interesting Stats

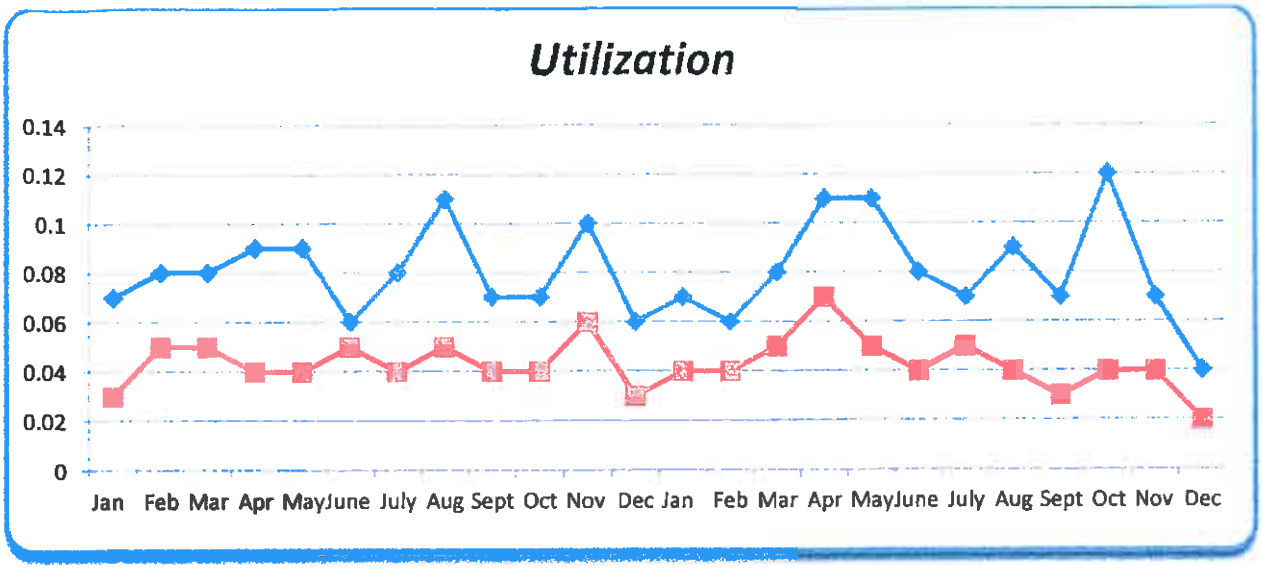
- ✓ Code Orange –Psychiatric
- ✓ Code Green – Minor
- ✓ Code Yellow – Stable but Urgent
- ✓ Code Red – Critical
- ✓ Code Blue – Loss of Respirations and or pulse
- ✓ Code Black – Dead on Scene

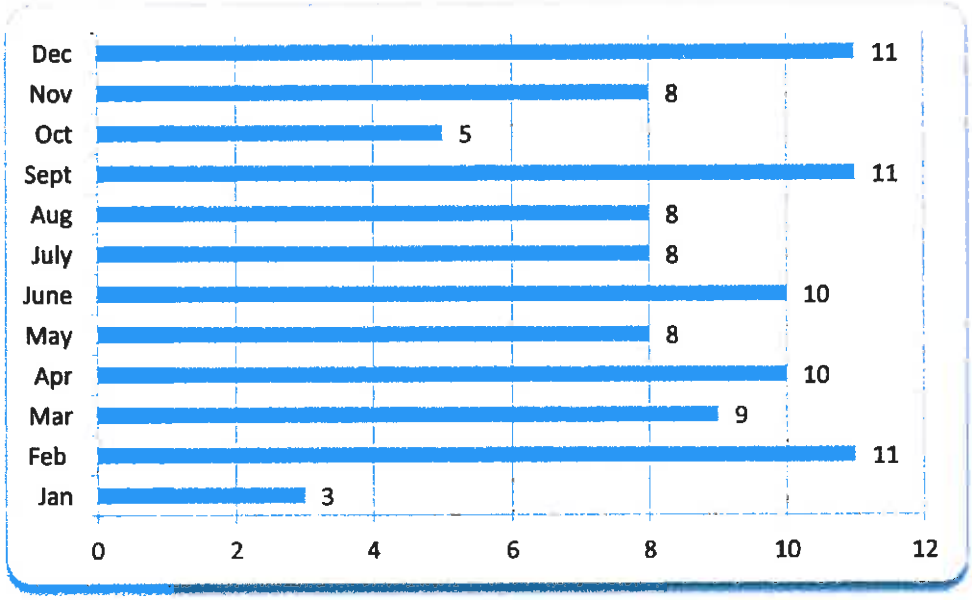
Medical Categories

Abdominal Pain	25	3.2%
Allergies	8	1.0%
Animal Bite	3	0.4%
Assault	9	1.1%
Back Pain	6	0.8%
Burns	3	0.4%
CO Poisoning	1	0.1%
Cardiac Arrest	9	1.1%
Chest Pain	59	7.4%
Choking	5	0.6%
Citizen Assist	12	1.5%
Code Black/DOA	6	0.8%
Congestive Heart Failure	2	0.3%
Convulsions/Seizures	26	3.3%
Diabetic Problem	22	2.8%
Electrocution	1	0.1%
Fall Victim	79	10.0%
Headache	3	0.4%
Heart Problems	7	0.9%
Heat/Cold Exposure	3	0.4%
Hemorrhage/Laceration	10	1.3%
Ingestion/Poisoning	1	0.1%
Other	30	3.8%
Overdose	11	1.4%
Overdose (accidental)	2	0.3%
Pain	6	0.8%
Pregnancy/Childbirth	2	0.3%
Psychiatric Problems	40	5.0%
Respiratory Arrest	2	0.3%
Respiratory Distress	52	6.6%
Sick Person	106	13.4%
Stab/Gunshot Wound	2	0.3%
Stand-by (Event)	18	2.1%
Stand-by (Fire Rehab)	5	0.6%
Stroke/CVA	17	2.1%
Traffic Accident	105	13.2%
Traumatic Injury	48	6.1%
Unconscious/Fainting	47	5.9%









New Equipment

EMS received delivery a third ambulance. This required the purchase of all new equipment to equip it.

A Tahoe was also delivered for the EMS Captain to use for responding to calls and in the future deliver supplies to the second station.

Name	# of Calls
John Andrews	28
John Ashlock	162
Jason Bowker	96
Josh Bowker	18
Merle Bumgarner	5
Keena Campbell	13
Jeremy Crocker	157
Darrell Dutcher	6
Kaitlin Dvorak	10
Lowell Ester	125
Mike Fells	36
Kyle Gasaway	11
Terri Griffin	8
Doug Hatfield	2
Fred Heersche	61
Kaitlyn Heitman	13
Jon Hicks	1
Damon Holmes	21
Amy Houston	3
Hiedi Isom	11
Jeff Johnson	4
Trent Julius	2
Ashley Kichler	100
Robert Kimble	55
Shawn Lamm	101
Kim Landers	61
Aaron Mattson	57
Chad Maugans	138
Duane McDaniel	26
Jim McDaniel	26
Joe McDaniel	54
Stuart McDowell	1
Jason Mundell	64
Keith Nieman	42
Judi Patterson	143
Travis Patterson	7
Jed Rea	155
Nick Ryan	15
Kevin Stoll	40
Veronica Tripp	25
Mike Turner	12
Cody Vandeest	114
Preston White	173
Jessica Whitehead	10
Jayson Williams	1
Nathan Yarnell	18

Quality Assurance/Training

Quarterly Quality Assurance meetings were held with Dr. Carro and Dr. Comer to assure the patient's received proper care and treatment.

As part of the QA process surveys are sent to every fifth patient, Code Red patients, any call with a crew complaint, or any call with a patient complaint. 145 surveys were sent out with only 58 responding back. 14 were returned as undeliverable. The majority were complimentary. The crews do receive a copy of these in their drawers so they too can monitor how the patient's feel about their care and interaction.

Toys For Kids

Thirty-eight families which consisted of one hundred-nine kids were assisted in 2012. We were able to provide each family with a turkey, 10 pounds of potatoes, and hot rolls. The Middle school collected money and food which turned into a nice box for each family.

The Poker Run sponsored by the Police Department was once again very successful even with the inclimate weather.

Once again, the community and business support was outstanding. Kris Carson was given a copy of the "wish list" which she put on the angels for the Angel Tree. This provided so many of the kids their wishes. All of the parents were very grateful for what they received.

*Red lettering depicts volunteer firefighters who assisted or were acting as Duty Officer.

Billing

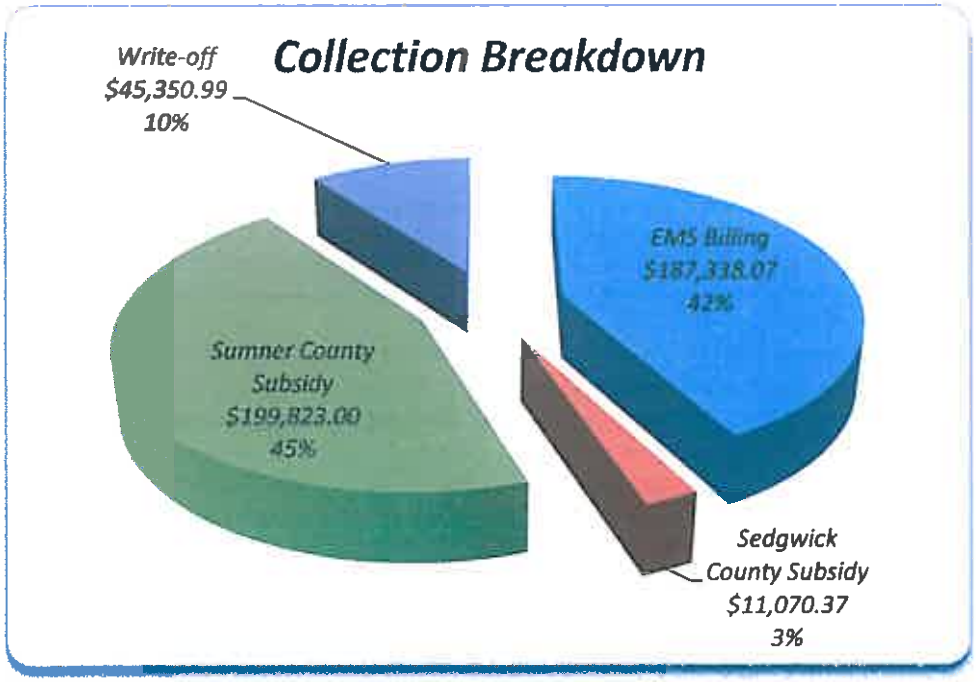
The billing program was changed from a computer based program to an internet program. This will allow the software provider to keep the system and information changes updated and move all of the information to their servers saving the cost of updates and computer expenses. It also allows access from multiple locations.

There were 439 billable calls last year with 72 left to collect. 59 were sent to the set-off program.

Following are some of the stats provided for 2012.

Billing Statistics

Month	Billed	Collected
January	$18,994.00	$16,592.16
February	$26,238.00	$9,900.06
March	$24,448.00	$22,602.36
April	$31,336.00	$22,325.88
May	$28,318.00	$19,526.99
June	$19,612.00	$12,040.23
July	$22,229.00	$16,122.66
August	$22,361.00	$17,290.43
September	$22,243.00	$10,987.47
October	$19,604.00	$16,614.15
November	$23,624.00	$7,341.34
December	$24,405.00	$15,994.34
Total	$283,412.00	$187,338.07



Summary

Everyone working together towards a common goal of providing quality care and services once again made for a very successful year.

Each challenge was met and everyone pulled together to make sure the Department as a whole met the needs of every situation.

Mulvane is very fortunate to have such dedicated and caring people answering their call for help as I am to work with them.

Submitted by,

Judi Patterson

Judi Patterson

EMS Captain

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2012

UTILITY DEPARTMENT YEAR END REPORT

CITY OF MULVANE, KANSAS

2012 MULVANE UTILITY DEPARTMENT YEAR END REPORT

Forward The following pages review the status of some of the ongoing projects, describe Utility Department activities, and provide a financial summary of the 2012 operating year for the Electric, Water, and Wastewater Departments.

In the mid-1990s Mulvane entered a cycle of rapid growth that dominated the activities of the Utility Department. Several housing developments were active in rapid succession and some simultaneously. It was a challenge for Utility Department personnel to keep up with the rapid expansion of our city. There were also major capital improvement projects including, the Second Street four lane project; moving nearly two miles of the 69,000 volt power line through Derby; the K-15 project; the 111th St project; constructing a new power plant; constructing a new wastewater plant; and the Swimming Pool project; building the infrastructure to support the casino development. Looking back, the Mulvane Utility Dept. accomplished a lot in a relatively short time.

During the past five years the Utility Department has been busy responding to the inquiries of developers who desired to build and operate a casino near exit 33 of I-35. Staff has gone to considerable effort to develop principals and guidelines designed to protect the interests of our utility customers. This may be the single biggest development in the history of Sumner County. Completing the first two of several phases of the Kansas Star Casino has been a challenge for the Utility Department. We have come a long way toward providing the water and wastewater infrastructure needed to accommodate the full build-out of the project. Great care and diligence must be taken to assure this project delivers its promise of better services, lower taxes and lower utility costs for Mulvane citizens.

The Mulvane Utility Department staff is looking forward to continuing an aggressive program of efficiently providing utilities to the community at the lowest sustainable cost.

This report was prepared to provide a useful and informative tool for the administrative staff, Mayor, City Council and our citizen-consumers.

Sincerely Submitted
Mulvane Utilities Department

Brad Modlin
Utility Distribution Director

Galen Cummins
Utility Generation Director

Overview

The Utility Department consists of three divisions, Electric, Water, and Wastewater. The combined annual budget of these departments is over 10 million dollars. The Utility Department currently has 16 full time positions in addition to 6 support personnel in the city office that the Utilities Department pays all, or most of their salary and benefits.

In the mid-1990s Mulvane entered a cycle of rapid growth that dominated the activities of the Utility Department. From 1994 to 2007, the number of residential water customers increased by over 30%. The housing developments of Country Walk, Cedar Brook, Autumn Valley, The Woodlands, and Merlin's Glenn had all been active development areas. Keeping up with this rapid growth was a challenge. The Electric, Water, and Wastewater utilities all experienced expensive "growing pains" in one form or another.

The continuing growth of our city was not without cost and consequence. In 2002 we constructed a new power plant with enough capacity to support the projected growth of our city. By the year 2000, Mulvane had out grown its wastewater plant. In 2003, KDHE issued an order that started the process of requiring Mulvane to build a new wastewater treatment plant. On August 2, 2006, our new wastewater treatment plant came on line. Today, we are nearing the maximum limit of our water supply contract with the City of Augusta. An economical option for our next increment of water is currently under study. These were, and are, interesting times for the Mulvane Utility Department, with many challenges to be overcome in rapid succession.

From 2007 through 2010, Mulvane had almost stopped growing. The existing housing developments were nearing completion. The entire nation has experienced a slowdown in the new home market. In 2011 the construction of the forty units Homestead Addition began. Lately, we have had inquiries concerning the addition of additional apartment complex to our community, and some additional development near I-35.

In mid-2007, we began contemplating the implications of serving a casino development. The following principals were suggested to guide our actions during this project.

1. None of the cost of this project should be borne by our existing utility customers.
2. Our existing utility customers should be insulated from the risks associated with this project.
3. The utility rates should be uniform throughout the city. Customers located in the vicinity of the casino should not have lower rates than our existing customers.
4. The Utility Department infrastructure and facilities should be high quality and built to stand the test of time.

The second phase of the Kansas Star Casino Development was completed in late 2012. Work is currently underway to construct the additional water tower, and the water treatment facility that are needed to serve our expanding responsibilities.

The History of Public utilities in the Early Years of Mulvane.

Life in the early days of Mulvane was a lot different than today. Before 1906, there were no utilities of any sort. Burning wood or coal was the only source of heat. Except for very few acetylene light systems, kerosene lamps and candles were the only choices for lighting. Water had to be hand pumped or hauled. The inevitable trips to the outhouse must have been miserable on a subzero degree winter morning. That was how life was in Mulvane, as well as most other places in Kansas during those early times.

1906 was a busy year, and marked the beginning of public utilities in Mulvane. Alex Rucker and J. L. Nessly had been operating a very successful steam-powered roller mill in Mulvane since 1885. In March of 1906, the city granted the operators of the mill a franchise creating the Nessly & Rucker Light and Power Co. In May of that year, the city granted a franchise creating The Mulvane Mutual Telephone Co. Later, in August of that year, the city granted T. N. Barnsdall & A. P. McBride a franchise to operate a natural gas utility within the city limits of Mulvane.

The Nessly & Rucker, Light and Power Co. was the first operational public utility in Mulvane. By June of 1906 electricians had wired many homes and businesses, linemen had constructed a distribution system, and generating equipment had been installed at the mill. On June 13, 1906, the electric distribution system was energized and the streetlights were turned on for the first time. The first natural gas was delivered to Mulvane on March 14, 1907.

Over the next five years, there was significant progress in the modernization of Mulvane. In those days, perishables were kept in an icebox that required 25 pound blocks of ice. Many citizens resented the monopoly that the Wichita ice company enjoyed at that time. Local investors banded together to form The Mulvane Ice and Cold Storage Company, the first ice was produced in May of 1908.

Most residents wanted a public water supply. Without an adequate source of water, major fires in 1891, 1893, and 1905 had destroyed several Mulvane businesses. As usual, there was a vocal minority that opposed any kind of progress. It took until June of 1911 to establish a city owned public water system and deliver water to the first customers.

Mulvane's first water system consisted of 4 to 6 driven wells on the west side of the railroad tracks, a brick pump house that still stands at 120 Boxelder, one 500 gpm deep well type triplex pump, connected to a 35 hp natural gas engine at one end of its pinion shaft with a clutch and a 35 hp electric motor at the other end, in addition to a 50,000 gallon, 90 foot tall, riveted construction water tower. The entire water system including mains and fire hydrants were paid for with a $30,000 bond issue.

The next major accomplishment for Mulvane utilities was the establishment of a sewer system. The first section of sewer extended from the intersection of Emery St. and Third St. to the river. It was constructed by the E. M. Eby construction company of Wellington for $8,350.00. The Sewer System was accepted, and the first tap made on January 25, 1913. Over the next several months, sewer mains were extended to the remainder of town and financed by separate bond issues.

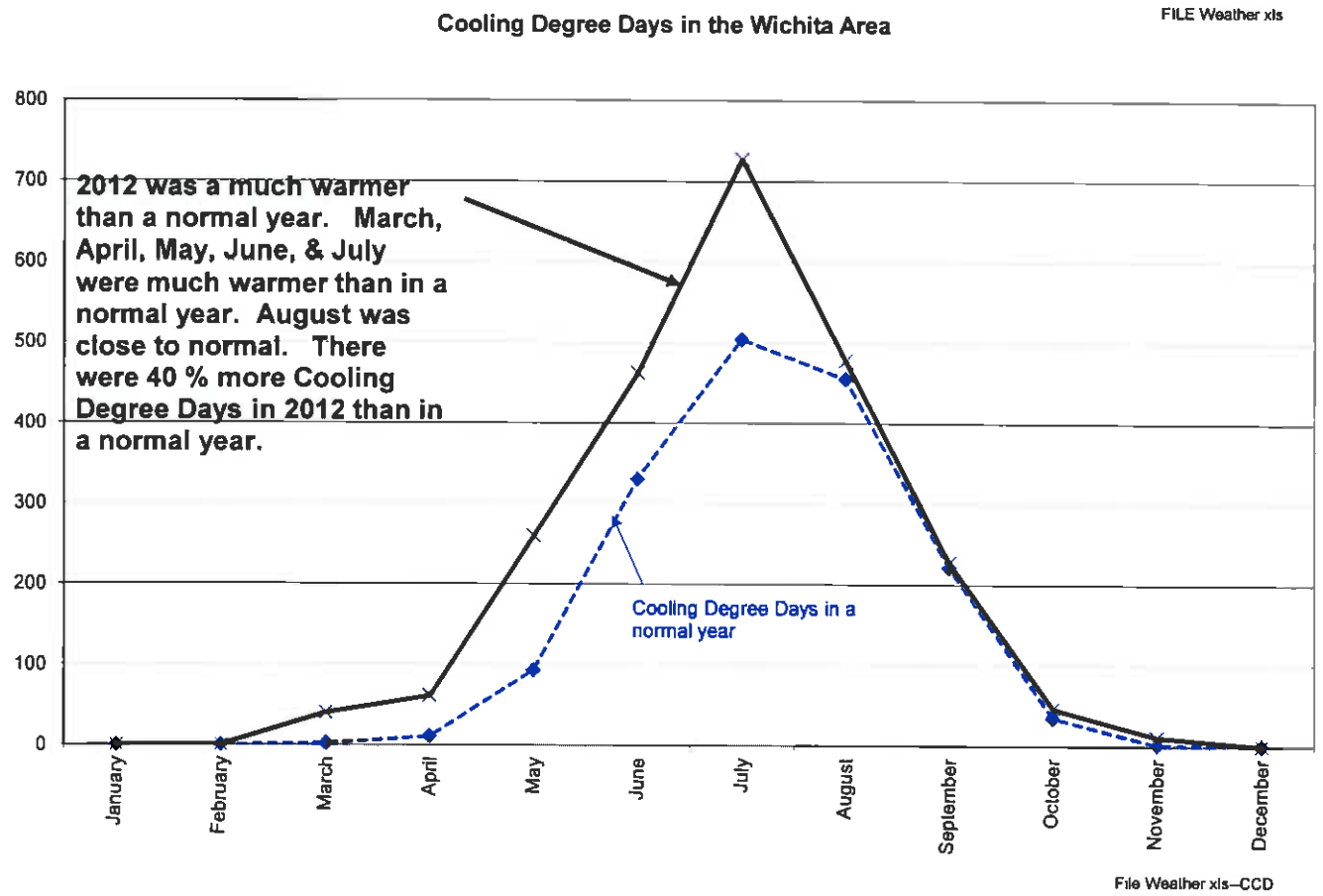
Around 1911, The Mulvane Mills & Elevator Co. sold the electric utility to Mulvane Ice and Cold Storage Co. After operating the electric utility until 1919, Mulvane Ice and Cold Storage Co. sold the electric utility to the City of Mulvane. At that time the city was holding a bond election to finance the replacement of the water pump that had been in service for nine years, as well as other improvements to the water system valued a $22,250. The Ice Co. expressed a desire to sell the electric utility to the City for $15,750. Both items were put on the ballot. Both bond issues passed. The first section of the Boxelder Power plant was built in 1919. The first generating units installed at that location were two 70kW two cylinder natural gas fired engines purchased from the Lazier Gas Engine Co. of Buffalo NY. The move was made to that location in 1920. With the purchase of the electric utility, the City Of Mulvane owned the water, sewer, and electric utilities. The city felt like it was in control of its destiny, resulting in rapid growth and progress for the next several years.

Weather in 2012

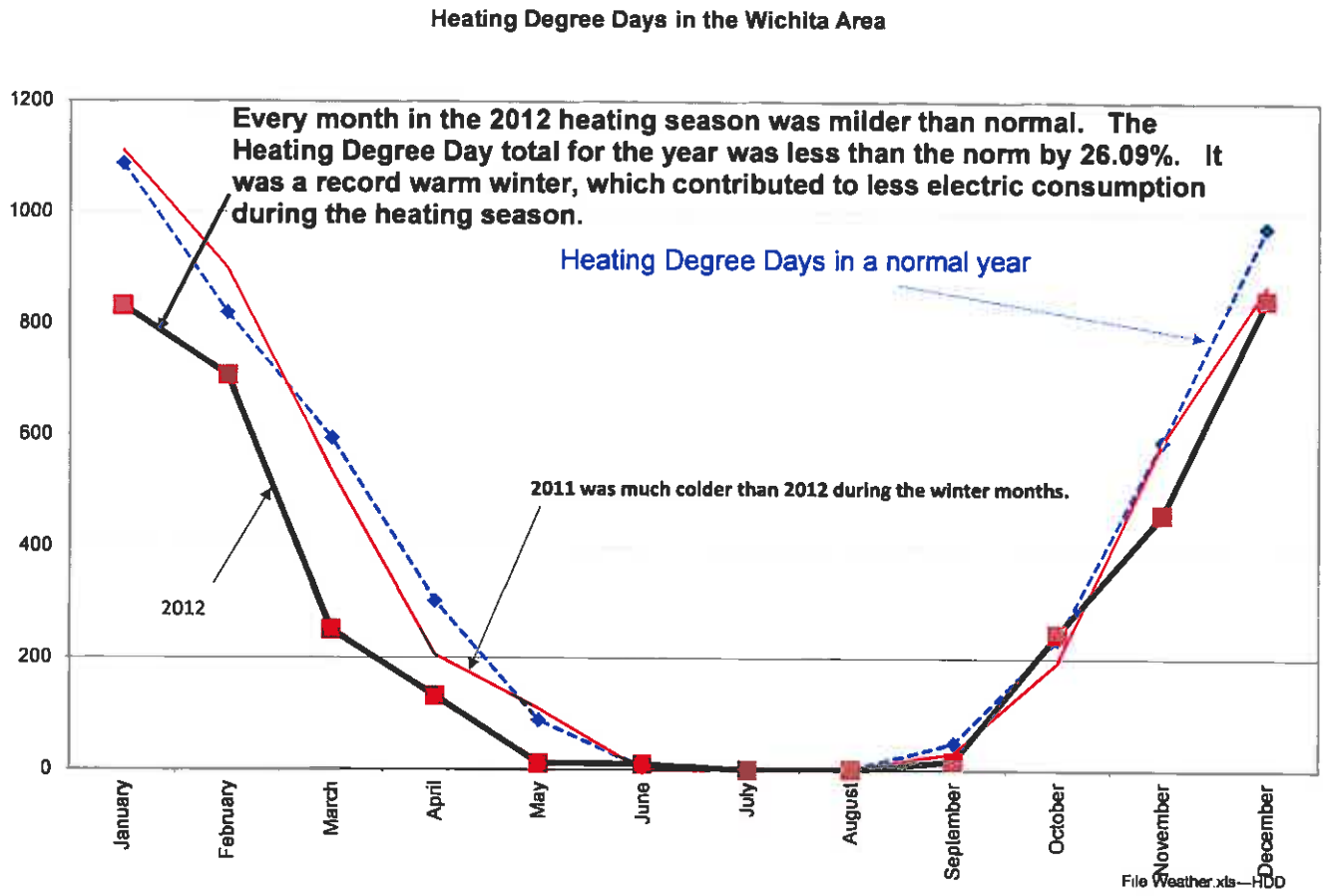
Since the weather has a major effect on the amount of water and electricity that our citizens consume this section of this report is dedicated to its discussion.

As in every other year, our weather was unusual in 2012. The winter heating season was much milder than usual. Less electricity was needed to heat Mulvane's homes and businesses. There was much more heat than in during a normal cooling season. More electricity than usual was required for cooling. Also, more water was required to satisfy irrigation needs.

The National Weather Bureau tracks Cooling Degree Days as an indicator of the severity of summer conditions. Cooling Degree Days reflect the amount of energy needed to keep a building cool. It is computed by subtracting a base temperature from the average temperature. March, April, June, and July were much hotter than normal. August, September, and October were about normal. There were 40 percent more cooling degree days in 2012 than in a normal year. In 2012, we experienced more Cooling Degree Days than in any year since I started compiling records in 1997.



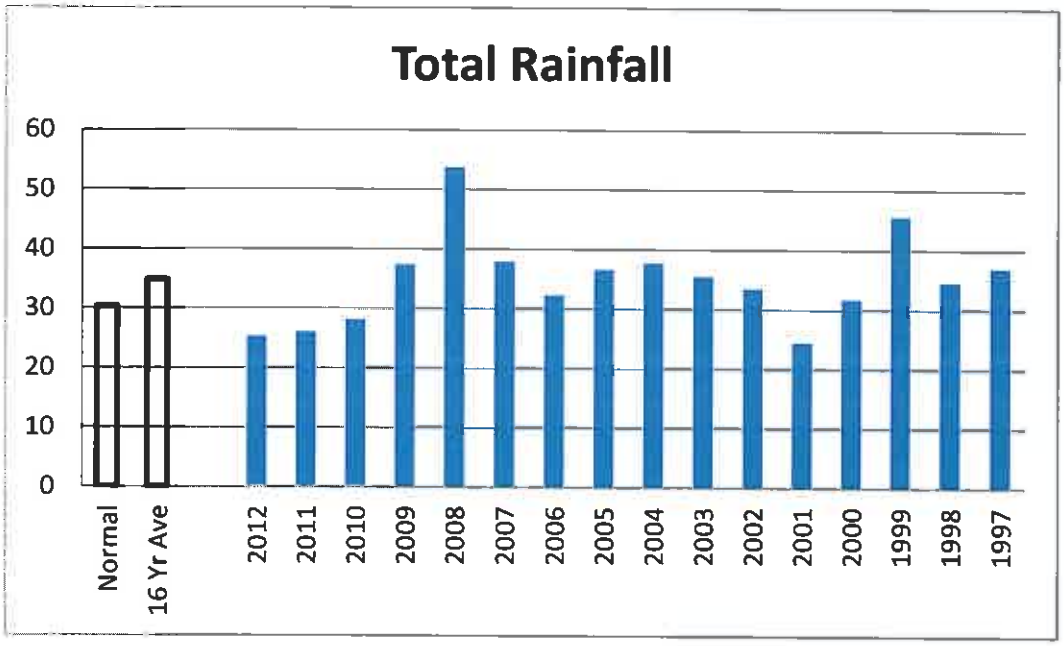
The National Weather Bureau also tracks Heating Degree Days as an indicator of the severity of winter conditions. Heating Degree Days reflect the amount of energy needed to keep a building warm. Similar to Cooling Degree Days, it is computed by subtracting the average temperature from a base temperature of 65 degrees F. There were 26.9% percent less Heating Degree Days in 2012 than in a normal year.



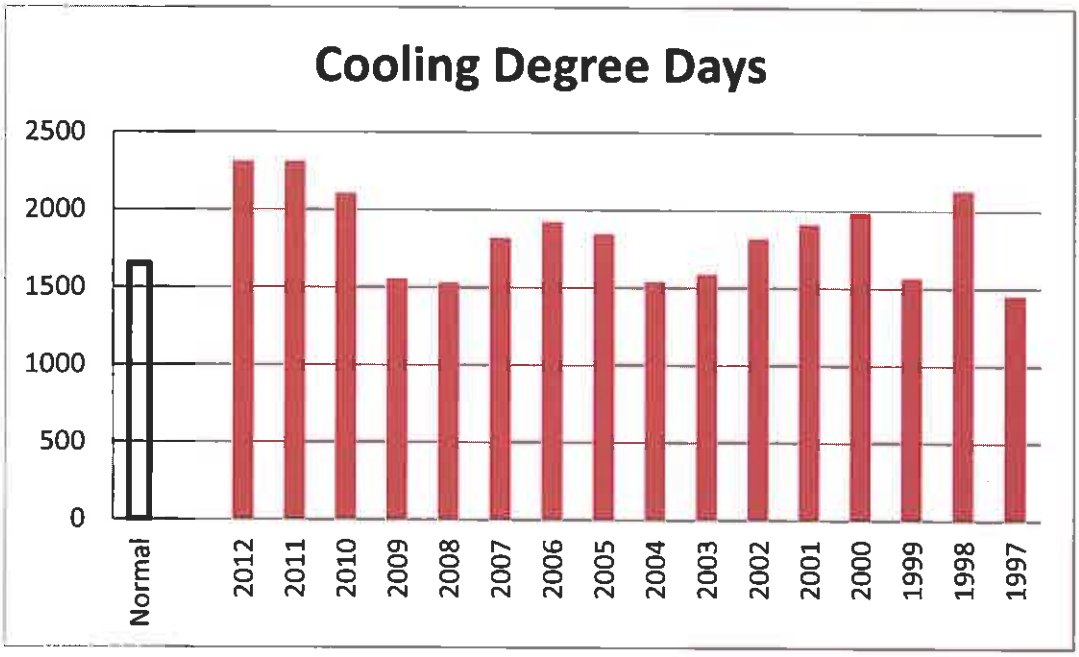
Cold weather influences the amount of electricity consumed by our customers. Almost all furnaces require electric motors to distribute heat through the home. Mulvane's system requires approximately 215 mWh per day during the hottest days; 90 mWh during pleasant days; and 130 mWh on the coldest days. Our customers used 4.76 percent less electricity during November through February of 2012 than in the previous year.

We have entered the third year of drought. At the time of this writing, all 105 counties in Kansas are experiencing drought conditions. It is not possible to predict this drought's end date. Many public water utilities are extremely concerned about the difficulties they will encounter should the drought continue through 2013, as predicted by some sources. Several have imposed water use restrictions. The water level of most lakes and streams that serve as public water supplies is much lower than typical. The depth to ground water has increased by several feet in some areas. Several water utilities have imposed water use restrictions.

The following chart shows the total annual rainfall received at Mid-Continent Airport in Wichita, KS. There was less than normal rainfall during the three most recent years. Compared to the 30.37 inches of annual rainfall that the National Weather Bureau considers normal for this area, we were a total of 11.56 inches short over the last three years. However, Compared to the 34.91 inches of rainfall that this area averaged over the past 16 years, we were a total of 25.17 inches short over the last three years.



The following chart shows the total annual Cooling Degree Days experienced at Mid-Continent Airport in Wichita, KS. The three most recent years were far hotter than normal. This heat aggravated the severity of the drought, resulting further depleting of water supply sources.



Electric Department Section

The Goals and Accomplishments of Mulvane's Electric Utility

Goals

- Provide our customers with the lowest possible sustainable electric rates.
- Maintain and improve the reliability of the electric system to minimize outages.
- Provide a high level of prompt and effective service.
- Use our expertise and equipment to benefit the City and community.
- Establish a legacy of affordable electricity for future generations of Mulvane citizens.

Accomplishments

- The Electric Department bore the entire cost of public street lighting, saving the general fund $188,014 in 2012.
- The Electric Department frequently makes expensive repairs to and expensive repair parts for non-Electric Department City equipment.
- The Electric Department has helped to complete many City projects such as the Main Street Park; the Sports Complex; The Second Avenue improvement project; the construction of the Public Works Building' and the completion of the Swimming Pool Project.
- Having an electric utility enables local control of rates and service. Currently Mulvane's electric rates are the lowest in our area. We plan to lower electric rates over the next few tears.

Electric Department Year-End Report Summary for 2012

1. Revenues exceeded Expenses by $113,757.18

2. The Electric Department is in good financial condition.

3. Some of the Electric Department Revenue Bonds were refunded into General Obligation Bonds at a lower interest rate in 2011. The General Obligation bonds do not require funds to be held in reserve accounts. The release of the funds added to the Electric Department working capital. Some of these funds can be used to finance one-time capital improvement projects, without a negative long-term effect on Electric Department finances.

4. Unusually hot summer weather produced near record electric loads, resulting in additional Electric Department revenues over those expected in a typical year.

5. Mulvane was the low cost provider of the generation municipalities within 50 miles, with the single exception of Winfield in 2011. 2011 is the most recent year that we have data for, the 2012 reporting data should be available in the fall of 2013.

6. Substantial revenue will flow to the City of Mulvane as the result of the Kansas Star Casino project. Part of this revenue can be used to reverse some of the subsides that have traditionally flowed from the Electric Department to the General Fund. Providing our customers with the lowest possible sustainable electric rates is one of the primary goals of our electric utility. The resulting reduction of Electric Department expenses can be used to lower electric rates, and also offset the economic forces that are causing a trend of rising electric rates most places. The first rate reduction occurred in July of 2012. A five percent reduction was implemented at that time. More rate reductions are planed after we have the opportunity to evaluate the financial impact of having a casino.

7. The Southwest Power Pool (SPP) is in the process of implementing radical changes to the structure and management of all aspects of power exchange within the SPP footprint. These changes will make it necessary for independent utilities, like Mulvane, to have the support of a larger organization such as The Kansas Power Pool (KPP) to perform the new mandated labor intensive functions. These changes are scheduled to be fully implemented in March of 2014. Mulvane joined the KPP in 2012, with the first power to be delivered in June of 2013

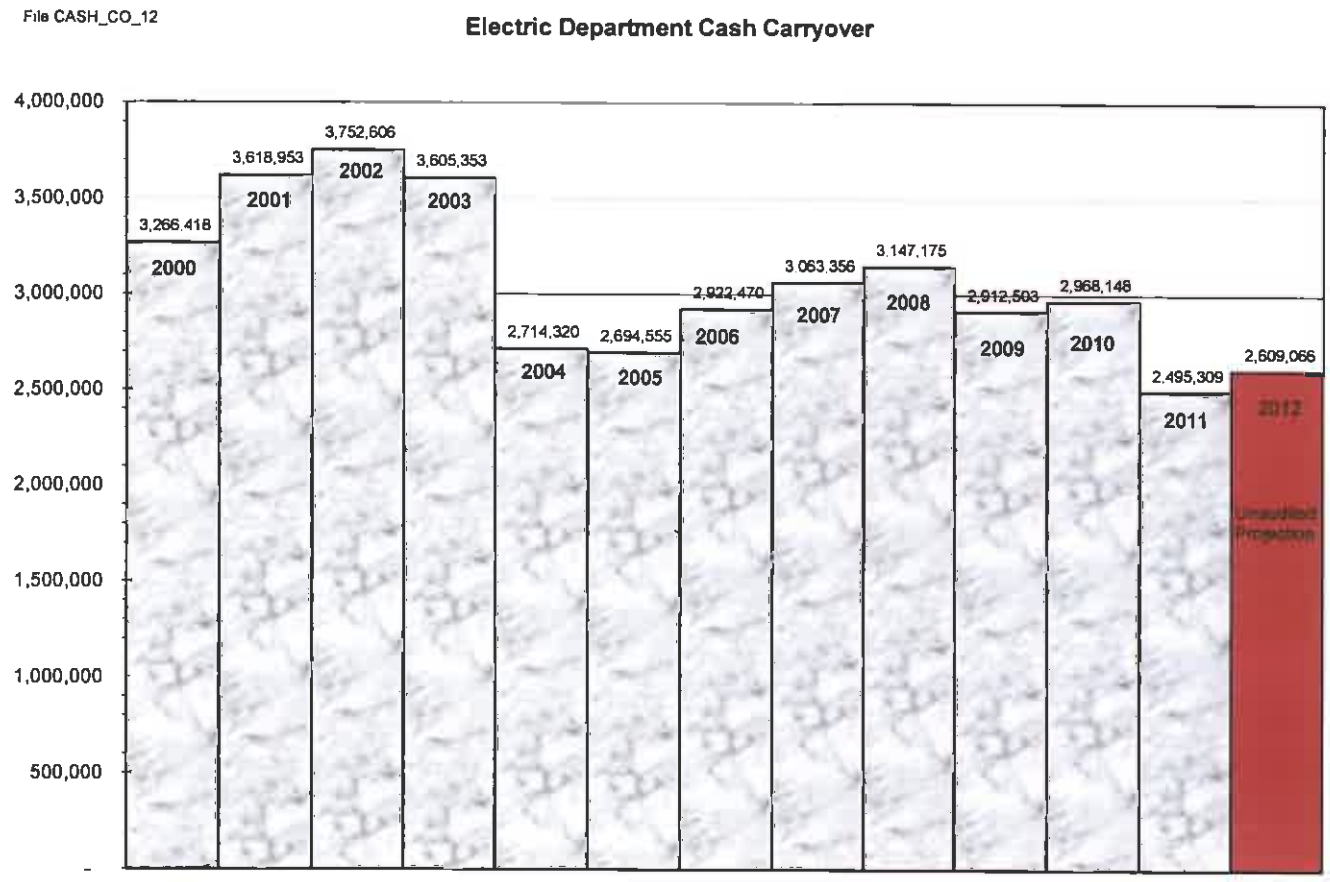
Electric Department Financial Summary

Electricity Utility Fund Activity Summary

2012 Revenue (from all activates)	**$ 4,118,998.59**
2012 Expenditures	**$ 4,005,241.41**
Cash Carryover Gain Accumulated in 2012	**$ 113,757.18**

Cash Carryovers

Cash carryovers are one of many indicators of the financial stability of a utility. A utility is in good financial condition if the annual cash carryover is increasing at or above the rate of inflation, and is adequate to cover the utility's unanticipated emergency expendatures in addition to any unbonded capital improvements. When cash carryovers show a continuing downward trend, it's only a matter of time before adjustments to bring revenues and expenses into alignment must be made.



The results of the 2012 audit are not available at this time. The projected cash carry over was calculated from the cities internal revenue and expenditure reports. Until 2002, the electric utility's revenues had been more than the expenditures, resulting in a slight increase in cash carryovers. In 2003 the first bond payment for the new power plant was due. In 2004, the Council took the first steps to put the resulting $333,000 incremental difference in bond payments into the electric rate base. Consistent with good utility management, these rate increases were scheduled to go into effect over time to minimize rate shock. The sharp decrease in the 2004 cash carry-over is largely attributable to one-time expenditures for various internal finance projects such as the Twin Lakes Sewer Project and the Rivers Land Purchase. The Electric Department experienced a gain of $113,757.18 in 2012. The electric utility is in reasonably fair economic condition.

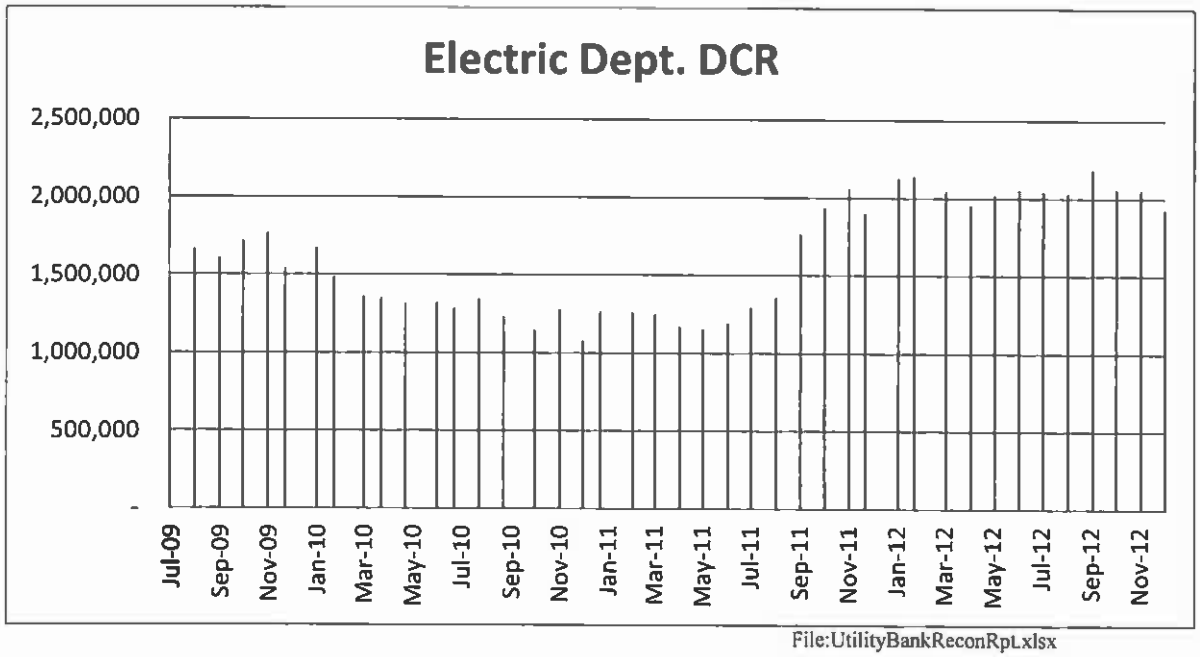
Note: Cash Carryovers represent a summary of the financial events that took place in the calender year. It is not an indicator of the amount of revenue available for discretionary spending at a given time.

Discretionary Cash Reserve Benchmark

The Discretionary Cash Reserve (DCR) is always less than the Cash Carryover from the Auditor's Report. Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. Due to the unpredictable nature of utility costs, regulatory requirements, and potential electric system damage, and the need for periodic improvements, establishing an adequate Discretionary Cash Reserve benchmark, as well as a mechanism to achieve that goal, is important to an electric utility. Three of the factors considered in establishing the minimum Discretionary Cash Benchmark are, (1) the extent to which a utility self-insures its assets, (2) the probable cost of rebuilding recovering after a catastrophic event, and (3) the cost of periodic electric system improvements and maintenance. In 2004, staff reviewed the various risk factors involved in operating our electric utility, and recommend that a minimum Discretionary Cash benchmark be established at $1,500,000. We are currently above the 2004 benchmark.

Is the Federal Emergency Management Agency (FEMA) dead? Until recently, FEMA was a dependable source of revenue that was available for public utilities to mitigate the cost of weather related disasters. In 2005 Mulvane received reimbursements totaling $429,277 from FEMA to cover a portion of the cost of the 2005 ice storm damage. FEMA has not provided assistance in several disasters that have occurred since 2005. FEMA is no longer a reliable source of disaster recovery funds. Staff has increased our Discretionary Cash Reserve benchmark to $2,000,000.

The following chart trends Electric Department's share of the various unrestricted cash and investment accounts that the City of Mulvane maintains.



File:UtilityBankReconRpt.xlsx

Currently, the DCR is near the minimum recommended benchmark of $2,000,000. The electric utility was profitable in 2012, ($113,757.18). Most of the rapid increase in the DCR that occurred toward the end of 2011 was the result of re-financing existing Revenue Bonds into General Obligation Bonds. The profit that resulted from the more favorable interest rate was scheduled "up front". The new GO bonds do not require maintaining bond reserve accounts, therefore the bond reserve accounts for the re-funded revenue bonds were released, resulting in the substantial boost in the Discretionary Cash Reserves.

A table containing selected Electric Department revenue line items and catigories of revenue line items follows.

Electric Department Revenues by selected Line Items

File:ElectFinance 2012	Revenues Tab						Revenues Tab		
YEAR	Sales to Customers	Cost of Power Adj	Penalties	Interest Income	Misc. Income	Payment Internal Financing	Rare Events	Other Revenues	Total Revenues
1998	2,401,075		21,316	157,334	2,181	-		10,414	2,592,320
1999	2,340,157		19,886	158,852	23,100	-		10,669	2,552,664
2000	2,612,122		23,660	189,410	3,848	-		11,178	2,840,218
2001	2,598,662		24,902	201,584	4,931	-		94,381	2,924,460
2002	2,647,696		37,336	134,719	3,400	-		122,188	2,945,339
2003	2,663,463		37,308	60,863	262,104	-		8,902	3,032,639
2004	2,656,411		23,394	46,790	141,093	70,000		11,806	2,949,494
2005	2,953,264	509,699	32,468	64,187	32,991	1,500	690,886	20,684	4,305,678
2006	3,084,747	827,640	38,770	107,753	26,620	28,901		80,458	4,194,889
2007	3,247,149	675,071	39,264	143,706	21,375	53,904		28,854	4,209,323
2008	3,122,346	1,032,017	38,092	101,188	50,015	43,901		13,948	4,401,507
2009	3,024,153	612,635	38,553	36,286	21,068	37,974	387,434	6,169	4,164,273
2010	3,223,019	763,662	42,563	11,154	35,957	18,901		5,563	4,100,820
2011	3,001,591	985,464	42,703	8,812	19,978	47,974	2,193,048	14,554	6,314,124
2012	3,125,791	835,143	46,289	4,836	20,740	81,646		4,554	4,118,999

A Cost of Power adjustment was implemented in May of 2005. These revenues are passed along to Mulvane's wholesale power providers, and do not provide additional income for operating the Electric Department. The economic recession contributed to lower costs for electricity since 2008.

Over the years, Interest on Investments has been a substantial source of income to the Electric Department. The decline of available cash in 2003 resulted in a loss of income.
The recent interest rate decline has resulted in a substantial loss of income.

In 2011, Bonds were refunded yelding 2,193,048 in bond proceedes. In 2005 we received reimbursements totaling $429,277 from FEMA for the 2005 ice storm damage, also 261,609 in bond proceeds in that year. The value in 2011 was mostly from refinancing bonds.

The unusually mild weather conditions experienced during 2008 and 2009 resulted in declining sales to customers. The unusually hot weather patterns of 2010 through 2012 produced higher customer sales than in 2009.

Due to a change in our utility billing program early in 2002, customer penalty charges due to the Water & Wastewater Departments were credited to the Electric Department. This condition has been corrected, resulting in a $11,500 loss of revenue starting in 2004. Fees for utility turn-ons and turn-offs were increased in 2005 to recover more of the costs of providing these services.

The Street lighting revenues beginning in 2001 are deceptive since offsetting transfers from 2001 through 2004 to the General Fund were made in each of those years. The actual net revenues were 2001=$8,000, 2002= $8,000, & 2003= $944, 2004=-20,000 The resulting phantom revenues make the Total Revenues for those years seem higher than they really were.

A table containing selected Electric Department expense line items and catigories of expense line items follows.

File.ElectFinance 2012			Utility	Expenditures Tab						
		Personnel	Plant	New						
YEAR	Power Cost	Services	Addition	Equipment	Insurance	Other Expenses	Internal Finance	Electric Bond	Total Expenses	Gain (Loss)
1998	1,160,156	498,126	217,570	66,558	11,671	486,610		49,242	2,489,933	102,387
1999	1,312,855	471,716	160,047	26,724	15,832	273,812		49,709	2,310,695	241,969
2000	1,448,685	525,362	388,129	1,692	13,528	480,632		48,990	2,907,018	(66,800)
2001	1,370,842	547,279	157,489	32,534	16,116	398,288		49,377	2,571,925	352,535
2002	1,229,360	516,754	160,196	179,328	21,977	546,328	157,743	-	2,811,686	133,653
2003	1,405,684	625,241	203,095	85,643	32,574	457,672	374,983	370,918	3,555,810	(523,171)
2004	1,409,973	558,055	98,677	60,157	44,342	495,585	785,552	388,185	3,840,526	(891,032)
2005	1,991,720	692,209	49,734	5,372	46,806	1,153,583	-	386,019	4,325,443	(19,765)
2006	2,336,321	697,341	112,673	41,814	47,968	341,433	-	376,717	3,954,267	240,622
2007	2,254,814	762,743	64,148	72,556	52,575	353,249	122,219	388,132	4,070,436	138,887
2008	2,523,336	810,755	154,192	8,805	51,350	376,546	-	386,615	4,311,599	89,908
2009	2,107,636	864,761	54,402	128,023	52,374	347,781	72,573	771,394	4,398,945	(234,672)
2010	2,323,369	880,404	13,043	20,686	55,020	366,572	-	386,082	4,045,175	55,645
2011	2,507,745	922,159	122,017	5,801	57,572	457,871	-	2,713,798	6,786,963	(472,839)
2012	2,349,599	1,016,517	36,787	175,465	59,972	210,400		156,503	4,005,241	113,757.18

Higher costs of the portion of power Mulvane receives from Westar has been the primary reason for the increase in cost since mid 2005, when a new type of Westar contract went into effect..

During the cycle of rapid growth that occurred from 1995 to 2003, an average expenditure of $200,000 was spent expanding the electric distribution system to serve new housing sub-divisions. When the labor costs of construction and the cost of power are added, it takes over ten years to realize the first dollar profit from a new customer. In 2008 most of this line item was spent on the power plant expansion/Park Dept. Storage project. In 2011 most of this line item was expenditures for the Homestead addition.

These expenditures are unpredictable by nature. Some large, with no clear time frame for recovery, which for management purposes must be treated as lost resources.

One of the biggest single ongoing changes in expenses was the 2003 $326,000 increase in bond payment resulting from the construction of the new power plant.
Bond payments in 2009 included refunding a bond issue.
In 2012 the bond payments reduced to take the refunding profit up front.
Bond payments will increase to 380,511 in 2014

Personnel Services includes FICA, Health Insurance, retirement, unemployment, Worker's comp. and life ins. The overall increase in the cost of this line item in 2009 was 6.7%. Measures were taken to reduce the escalation of these costs in 2010 including a COLA freeze, the elimination of IRA matching funds, and scaling back health care coverage.

In 2005, the Electric Department spent $468,894 to repair ice storm damage. Also $209,804 was spent on reissuing bonds that year.

Statistical Section

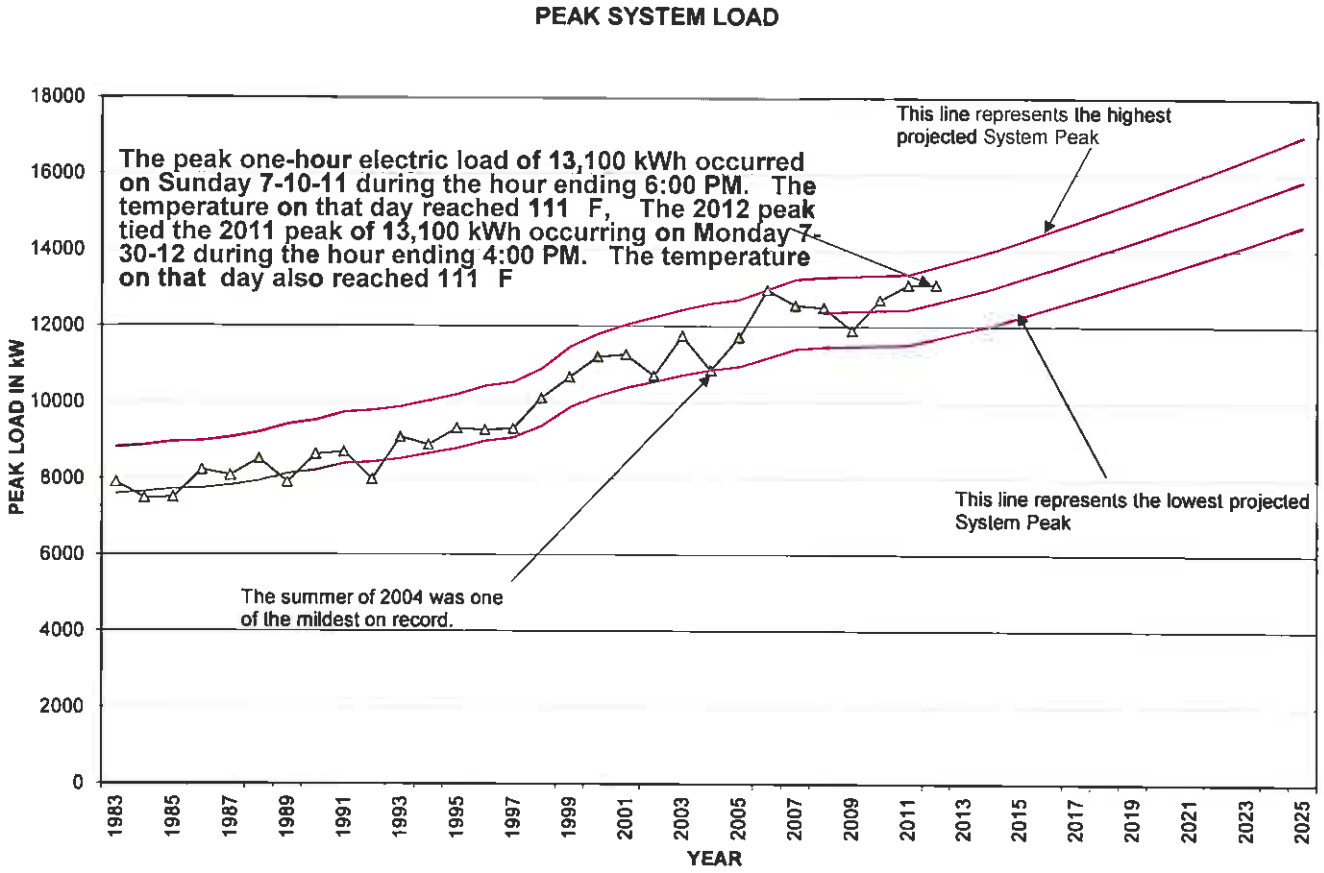
Our peak one-hour electric load in 2012 was 13,100 kWh, occurring on Sunday, July 30, 2012 during the hour ending 16:00. The temperature on that day reached 111° F. The 2012 peak tied the previous record system which occurred in extreme heat in July of 2011. The winter of 2012 was milder that the winter of 2011, resulting in less electric load. 2010, 2011, and 2012 were all very hot years.

Power Plant Operating Summary

The Mulvane Power Plants generated on two days in 2011, for a total of 67,209 kWh. We generated considerably less than in a typical year. Nearly 30 times that amount was generated in the year 2000. The recession driven decline in industrial load throughout the country has resulted in low prices in the power market the past three years.

Peak Load Chart

Projecting peak loads is an important tool for electric utilities. Advance planning is necessary to organize and financially prepare for future infrastructure upgrades



Method of Calculation:

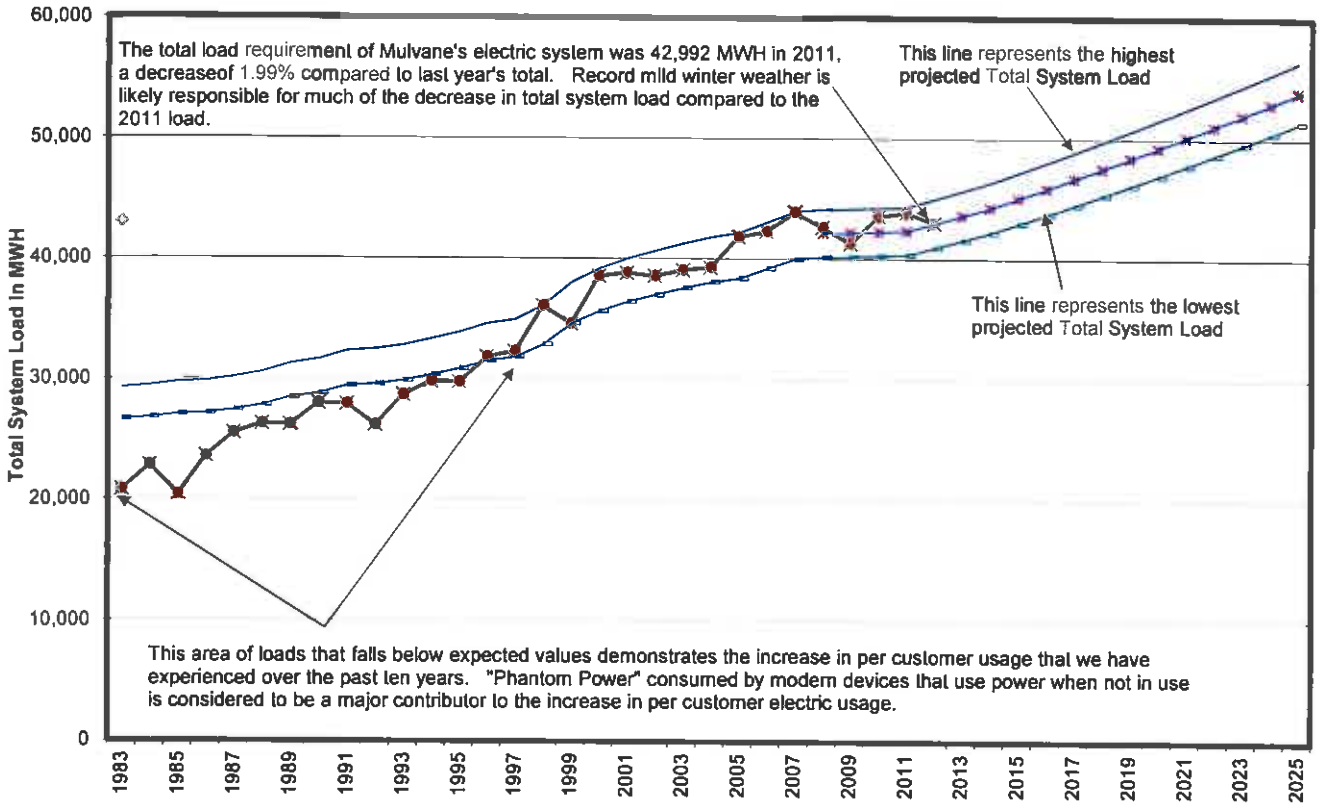
The air-conditioning load is a major contributor to Mulvane's Peak Demand. Weather conditions are the most important factor in predicting peak loads. Since the weather in this area is impossible to predict, we have to be content with predicting a probable range that the Peak Demand will fall into.

The number of customers is easier to predict. Customer growth assumptions start at 1.25% in 2011, and gradually increase to 2.3% in 2016, stabilizing at 2.3% thereafter. The upper boundary line of the Projected Peak Demand Chart was calculated by multiplying the projected number of customers by 5.08 kW/customer. The lower boundary line of the Projected Peak Demand Chart was calculated by multiplying the projected number of customers by 4.45 kW/customer.

Total Annual System Load Chart

Total System Load is defined as the total energy entering Mulvane's electric distribution system from outside sources (Westar, KCBPU, & SWPA) plus the total generation from our two power plants, minus the energy consumed by the power plants while generating power. Our Total System Loads equates to the energy consumed by our customers plus the minor energy loses inherent in all electric distribution systems.

Total Annual MWH Load



Source HEROS.xls-Projected Load tab

Method of Calculation:

The calculation procedure is similar to the process used to develop the preceding Peak System Load chart, with 15.61 megawatt hours per year per customer used as the low range multiplier, and 17.14 megawatt hours per year per customer used as the high range multiplier. Over the years we have noticed a trend of increased per customer usage. One factor contributing to this trend is the construction of bigger homes that use more energy. Another factor is proliferation of appliances and electronic equipment that have internal timers and circuitry that consume energy when not in use. TVs and VCRs, for example, operate on standby power to allow such things as clocks, memory settings and remote control systems to operate. Much, if not most, of this "phantom energy" is consumed by the appliances' power supplies, which convert alternating current into direct current. The energy wasted by these devices has more than offset the efficiency gains by major appliances such as washing machines and refrigerators.

The cost of electricity to residential customers in 2012

Mulvane's 2,272 residential customers used an average of 949 kW of energy per month in 2012 at an average cost of $94.93 per month. This calculates to 10.00 cents per kilowatt hour of usage.

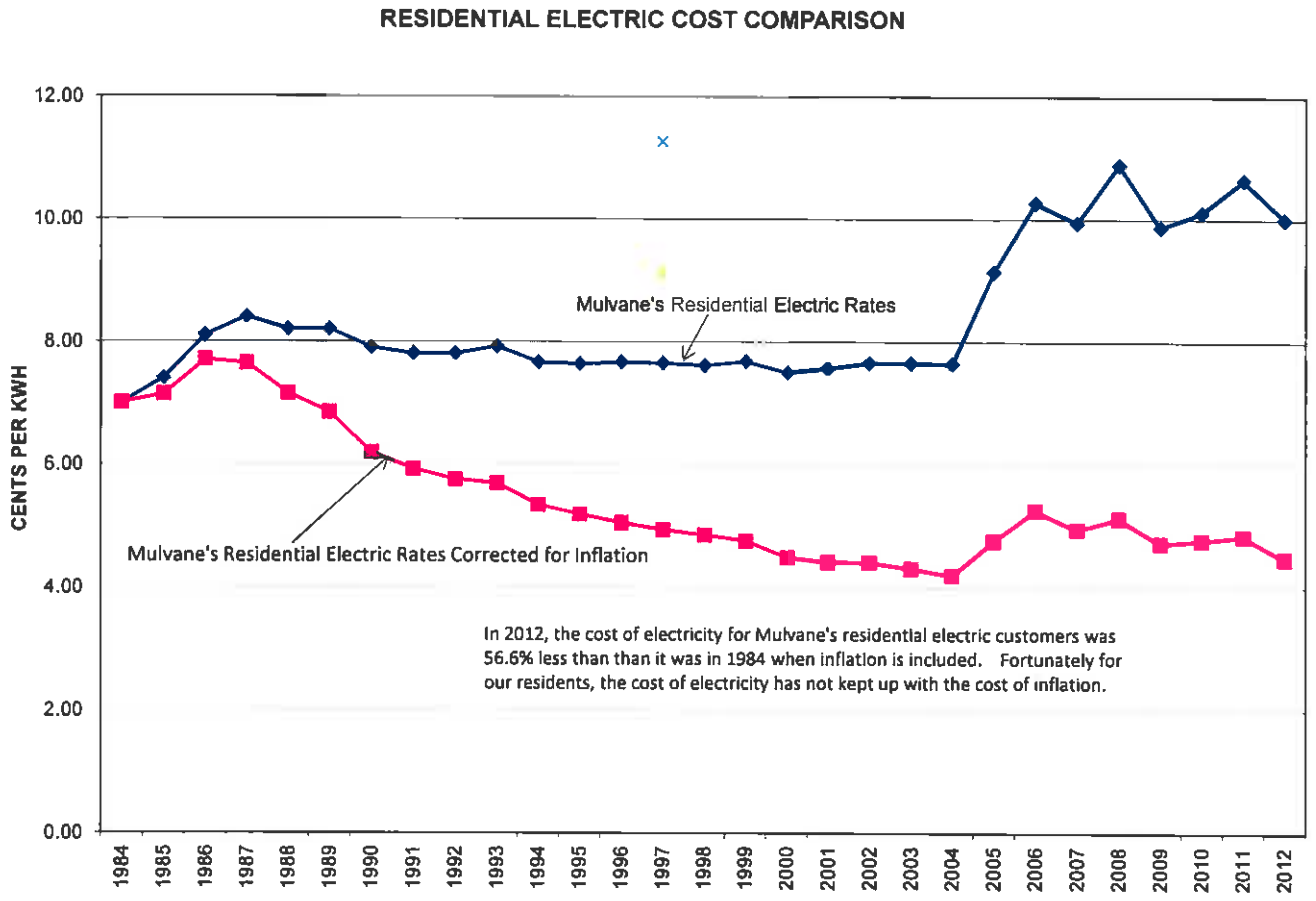


Chart CPI.xls C2

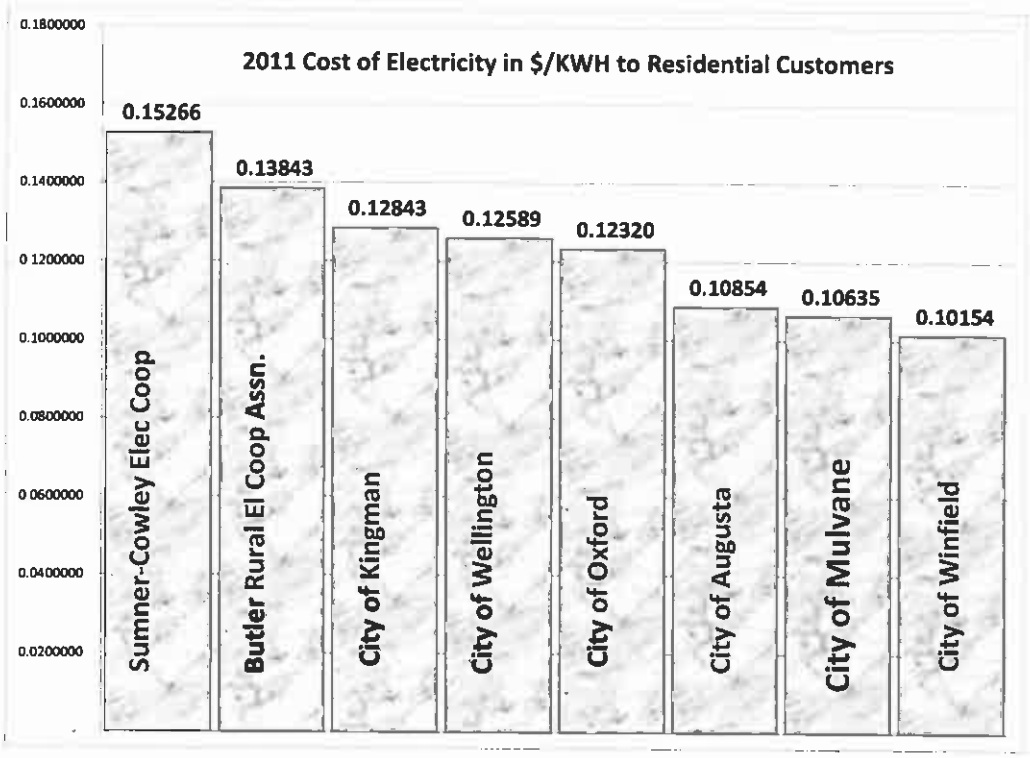
The inflation-adjusted cost of residential energy in Mulvane has declined significantly since 1984. The nation-wide reduction in the inflation-adjusted cost of electricity in the US has helped improve the standard of living for middle class citizens during much of the past 25 years. The rapid growth of our city made it necessary to add generating capacity in 2002. Changes in power supply contracts and electric restructuring have contributed to the increase in the cost of electricity since 2005. As always, providing our citizens with low utility rates will remain our primary goal.

Comparing Electric Rates in Kansas

Each electric utility doing business in the United States is required to submit operating data to the Energy Information Agency (EIA) for the previous year by an April 30 deadline. That data is compiled and released around the end of that year. The data covering the 2011 operating year was released in the September 22, 2012. In 2011 Mulvane ranked at the 25 percentile, meaning that nearly 75% of the 151 electric utilities doing business in Kansas charge their residential customers more for electricity than Mulvane charges.

Comparing the Mulvane residential electricity cost with the cost in the other generating municipalities located within 50 miles.

Mulvane was the low cost provider of the generation municipalities within 50 miles, with the single exception of Winfield. The difference between Winfield's residential electric cost and Mulvane's is less than 4.7%.

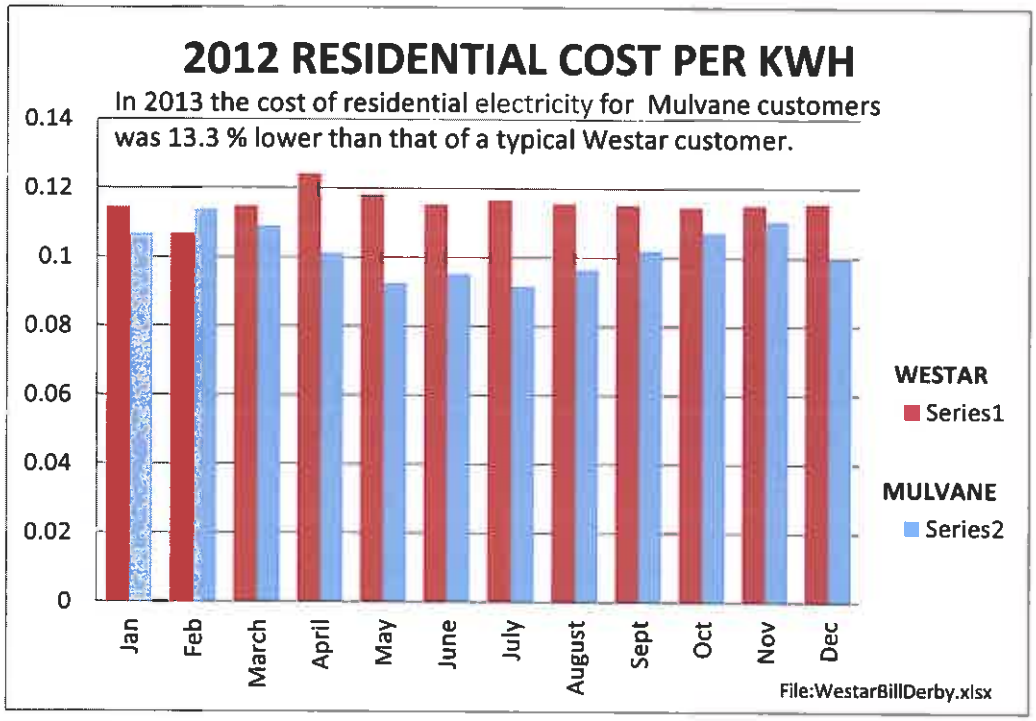


	DOE EIA Data for 2010	
City of Mulvane	$0.10635 / kWh	
City of Augusta	$ 0.10854/ kWh	2.1% higher than Mulvane
City of Winfield	$ 0.10154/ kWh	4.7% lower than Mulvane
City of Kingman	$ 0.12843/ kWh	20.8% higher than Mulvane
City of Wellington	$ 0.12589/ kWh	18.4% higher than Mulvane
City of Oxford	$0.12320/kWh	15.8% higher than Mulvane

Comparing Mulvane residential electricity cost with those of Westar.

Each month we compare the average cost of electricity per kilowatt hour of Mulvane customers with a typical residential customer's cost a residential customer on the Westar system. The cost to Mulvane residential customers is significantly less. In 2012, Mulvane has been 13.3% cheaper than Westar. Westar's rates are trending upwards. In 2012, both their base charge, and their charge for transmission were increased.

Starting with the billing for July energy, the cost of electricity to all Mulvane customers has been reduced by 5%. Additional rate reductions are anticipated after we have the opportunity monitor and evaluate the changing financial position of the Electric Department.



Since Mulvane has a mostly residential load, with a low load factor, Mulvane offers the greatest savings over Westar during the summer months. I suspect most of our customers appreciate this savings when their bills are at their highest.

The cost to Mulvane residential customers has been less than the cost to a Westar residential customer in the four years that we have data to compare.

In 2009, Mulvane was 5.24% cheaper than Westar.
In 2010, Mulvane was 8.76% cheaper than Westar.
In 2011, Mulvane was 2.34% cheaper than Westar.
In 2012, Mulvane was 13.30% cheaper than Westar.

Summary

We are proud of the performance of our electric utility. Over the past thirty years, Mulvane has been the low-cost provider of electricity in our area most of the time. In addition to the millions of dollars that our customers have collectively saved through lower rates, our electric utility has benefited the community in many ways. For several decades, our electric utility has been a significant contributor to Mulvane's General Fund, permitting our city to offer superior Police; Emergency Services, Streets, and Parks than most communities our size. Today we are cheapest provider of the four that serve the area defined by the USD 263 school district including City of Mulvane, Butler Rural El Coop Assn., Inc, Sumner-Cowley Electric Coop, Inc., and Westar Energy.

2012 Energy Procurement Summary

Sources of purchased power for Mulvane's electric utility.

Mulvane receives power from five sources, the Nearman Creek Power Plant, the Southwestern Power Administration, Westar, the Southwest Power Pool, and the Mulvane Power Plant.

NEARMAN CREEK POWER PLANT (KCBPU)

The Nearman Creek Power Plant is a 235 MW coal fired power plant that is located at Kansas City, Kansas, and owned by Kansas City Board of Public Utilities (KCBPU). In 1982, Mulvane contracted with the Kansas Municipal Energy Agency to receive 3,000 kW of capacity and the associated energy. Mulvane pays monthly demand, fuel, operation & maintenance, and KMEA administration charges to KMEA. When the Nearman unit is down for maintenance, Mulvane still has to pay most of the monthly charges as well as its share of the repairs and modifications. Because of transformer and line loses, Westar only allows 2825 KW capacity credit for the Nearman power. Nearman serves as hedge against catastrophic rises in fuel oil and natural gas prices. Because of large domestic reserves, coal is considered to have a more stable price. The other cities participating in the Nearman project are, Baldwin City, Fredonia, Neodesha, Osawatomie, Ottawa, and Winfield.

Before 2006, low water conditions, or frozen cooling pump inlets occasionally caused the plant to be out of service or de-rated in times of critical need. Cooling system modifications to allow the plant to be cooled with a cooling tower were performed during an extended outage in 2006 Our contract for Nearman power terminates on May 31, 2022. 55.09% of Mulvane's total load requirement came from the Nearman Creek Power Plant in 2011.

SOUTHWESTERN POWER ADMINISTRATION (SPA, or SWPA)

In 1943, the SOUTHWESTERN POWER ADMINISTRATION was created using the Executive Branch's emergency war powers authority to meet the growing power demands from military production and domestic needs. The SWPA continued to operate after World War II under the authority of the Flood Control Act of 1944. In 1945 the SWPA was assigned as the agent for marketing power generated by the U.S. Army Corps of Engineers in the States of Arkansas Louisiana, Missouri, Oklahoma, and Texas. Today, the SWPA sells power from 24 hydroelectric facilities that total 2,158 megawatts of installed capacity. In 1983 twenty-four KMEA cities entered into a contract entitling them to hydroelectric power from SWPA. Due to the high transmission costs associated with some of the cities, the individual entitlements were pooled and temporarily reassigned to nine project cities. This power is divided into two categories, firm and supplemental. Firm power is scheduled by KMEA. This energy is scheduled Monday through Friday during peak hours. More energy is scheduled during the summer than in the rest of the year to provide Mulvane the greatest possible utilization of this energy. Supplemental energy is available when there is excess water in participating reservoirs, or when the level of one the lakes below is too low. Mulvane is currently receiving 1000 kW in SWPA power. More cities are expected to participate so Mulvane will most likely receive a smaller share of the SWPA power in the future. We received a total of 1,720,000 kWh from this source in 2012. The current SWPA contract expires on 12-31-2018.

There has been a national preoccupation with "Green Energy" the last few years. In 2007, Governor Kathleen Sebelius announced a goal to produce 10 percent of our state's electricity from renewable sources by 2010, and 20 percent by 2020. A resent interpretation of that mandate is that a utility's renewable energy nameplate capacity should be 10% of their average peak load. Our SWPA power is generated from renewable hydro sources. That capacity equaled 12.5 % of Mulvane's average peak 2010.

WESTAR

Mulvane interconnected with KG&E (Westar's predecessor) in 1974. All the power that Mulvane receives from other sources must go through the Westar system. Westar charges Mulvane for transmission service, system control, load scheduling & dispatching service, capacity demand, and energy. Westar also keeps about 5% of the energy and capacity that is wheeled through its system for transmission losses.

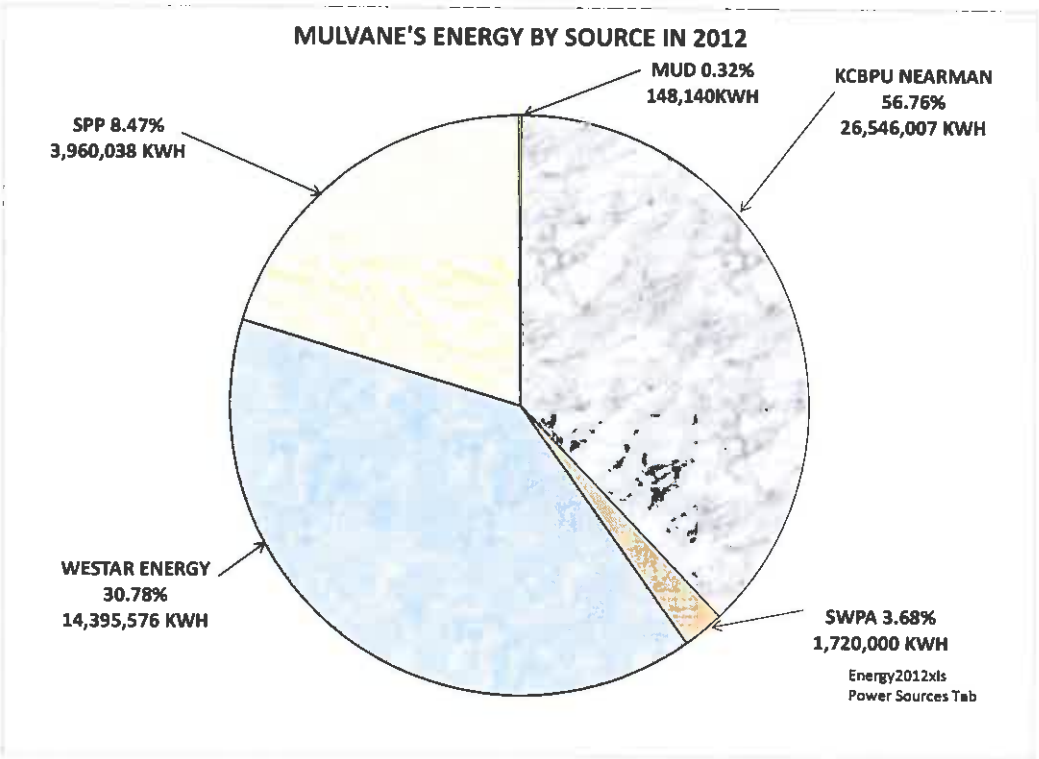
In May of 2010, Mulvane's 2005 contract with Westar expired. Mulvane sought the advice and assistance of the Kansas Municipal Energy Agency, and Sawvel and Associates, Inc. to evaluate Mulvane's options for replacing that critical source of power. Due to constraints on electric transmission systems, the only two options that were available to Mulvane that could provide equivalent service were Westar and Kansas Power Pool. Detailed analysis of those two options suggested that Westar would be the lower cost alternative. The resulting five year Westar contract exposes Mulvane to the Southwest Power Pool market settlement cost for a small portion of our total annual load.

Every effort is being expended to optimize Mulvane's energy mix to put our utility in the best position for these uncertain times.

SOUTHWEST POWER POOL (SPP)

The Southwest Power Pool was a new source of power for Mulvane in 2010. Our new Westar contract limits the capacity we receive from Westar. The remainder is automatically supplied by the SPP at the market settlement price for that hour. The price is subject to market volatility. The economic down turn is projected to suppress the cost of this source of electricity over the remaining three years of this Westar agreement. So far the cost of this source is working out acceptably well.

Summary of Energy Received From Mulvane's Energy Sources



ELECTRIC DISTRIBUTION DEPARTMENT ACTIVITY

Electric Distribution Department Capital Improvements

The electric distribution system on Luella Street was upgraded from 7200 volt overhead to 7200 volt underground. The final cost tor this project was $10,718.00. Directional boring for the conduit was acquired through mutual aid from the City of Wellington, KS. This provided a cost savings of $6,100.00.

For the last several years, Mulvane has experienced a slowdown of residential construction. The electric department has used this time to improve and upgrade the existing overhead electrical distribution system. Wooden power poles and cross arms are replaced throughout the system as needed. The average life of a wooden power pole is 40 years. The electric department also devotes an adequate amount of time to tree cutting/clearance. This transition from new construction to electric distribution maintenance will continue in order to improve electric distribution reliability.

KMEA Mutual Aid Program

The KMEA Mutual Aid Program was established in 2000 by the Kansas Municipal Energy Agency, a joint action agency of more than seventy Kansas municipalities that operate electric utilities. The program, organized by regions, helps KMEA member cities respond to electric emergencies by mobilizing trained electric crews from neighboring cities to help affected municipalities restore power. The City of Mulvane participated as an active member in the KMEA Mutual Aid Program since its inception.

In 2012, the KMEA Mutual Aid Committee voted to disband the KMEA Mutual Aid program. All members decided having two mutual aid organizations, KMEA & KS-MAP, was confusing and impractical. Most member cities, including Mulvane currently participate in the KS-MAP Mutual Aid program.

KS-MAP Mutual Aid Program

The KS-MAP organization was founded in 2008. The mission is to support and promote statewide emergency preparedness, disaster response, and mutual assistance for all utility systems in Kansas, including Water, Wastewater, Gas, and Electric utilities.

Through this program, municipalities and rural water districts can access a network of resources and assistance including emergency equipment, maintenance equipment, materials, communication devices, and most important, experienced utility personnel.

This program is sponsored by non-profit organizations whose missions are designed to assist the utility industries, environment, health and safety of all Kansans. Sponsoring organizations include Kansas Rural Water Association; Kansas Municipal Utilities; Kansas Section American Water Works Association; and the Kansas Water Environmental Association. In addition, several State Agencies combine their efforts towards the program: Kansas Department of Health & Environment; Kansas Corporation Commission; and the Kansas Division of Emergency Management.

KMU Safety Program

Mulvane's utility department has participated in this program since its inception in 2005. This program meets the requirements, by law, of the occupational safety and health administration. Class room and field training is given to employees pertaining to their occupation. Our goal in utility management is to build a safe working culture and environment amongst our employees. Building such a culture will continue to reduce accidents and reduce workers compensation costs. The program is funded by the Utility Department, and made available to all city departments.

Overhead to Underground Electric Service Conversion Subsidy Program

During the ice storm in January 2005, a large number of residential homes with overhead electric service lines lost power when their service lines were brought down by falling tree limbs that were weighted down by ice. In order to improve electric reliability to our customers, the Mulvane City Council voted to implement a reimbursement program as an incentive for residential property owners to convert their existing overhead service lines to underground services. As of the end of 2012, 43 residential customers have taken advantage of this reimbursement program. Two hundred dollars is reimbursed to the residential customer once the conversion is completed. To date, the total payment by the City to residential customers has been $8,600.00 total city utility outlay for this program in the annual Electric Department budget for this purpose is $8,000.00 per year.

WATER DEPARTMENT SECTION

Drought created problems for our water utility, and inconvenience for our water customers.

During the peak usage season in 2011 & 2012, the Augusta Water Department experienced difficulties supplying water in sufficient volumes to match our water customer's needs. The severe drought limited the amount of water that could be taken from two of the three sources that supply the Augusta's Water Treatment Plant with raw water. Water levels at both the Santa Fe Lake, and the Augusta City Lake declined to the point that no water could be taken from either of those sources The Augusta City Lake was later drained to facilitate repairs to the dam and spillway. Concerns over the condition of the water supply pipe from the remaining source of water, El Dorado Lake, caused Augusta to limit the operating pressure of that pipeline. The flow available from that source is less than the customer demand during the peak season without imposing water use restrictions

The subject of above photograph is a boat ramp at the Augusta City Lake. Note how far the water has receded from this once functional boat ramp. Conditions at the Santa Fe Lake were more severe, the water had receded to the point where there was no water in the vicinity of the intake structure there.

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Generally, water customers expect their water utility to provide reliable water service in the quantities they desire, and at a quality level that meets or exceeds both customer and regulatory standards. They expect responsible stewardship of the public's water infrastructure, fiscal, and natural resources. They also expect their utility managers to use their best efforts keep the cost of water low as possible while achieving those goals. In addition to the needs and expectations of individual customers, the community needs a water supply that will support its continued growth, development and prosperity.

Summary of Water Department Activity in 2011

- Mulvane's Water Distribution Department repaired 16 water main breaks in 2012.
- 12 copper water service lines failed and were replaced under streets & roadways
- 134 water meters were replaced for our routine meter change out program.
- 14 water meter cans were replaced.
- 13 water leaks were repaired in water meter cans.
- Project of bringing wells #4 & #5 on line to serve as an emergency water supply was completed.

Water Utility Fund Activity Summary

2012 Actual Revenue (from all activates)	**$ 1,125,152.39**
2012 Actual Expenditures	**$ 928,709.56**
CCO Gain Accumulated in 2012	**$ 196,442.83**

Water Department Financial Condition

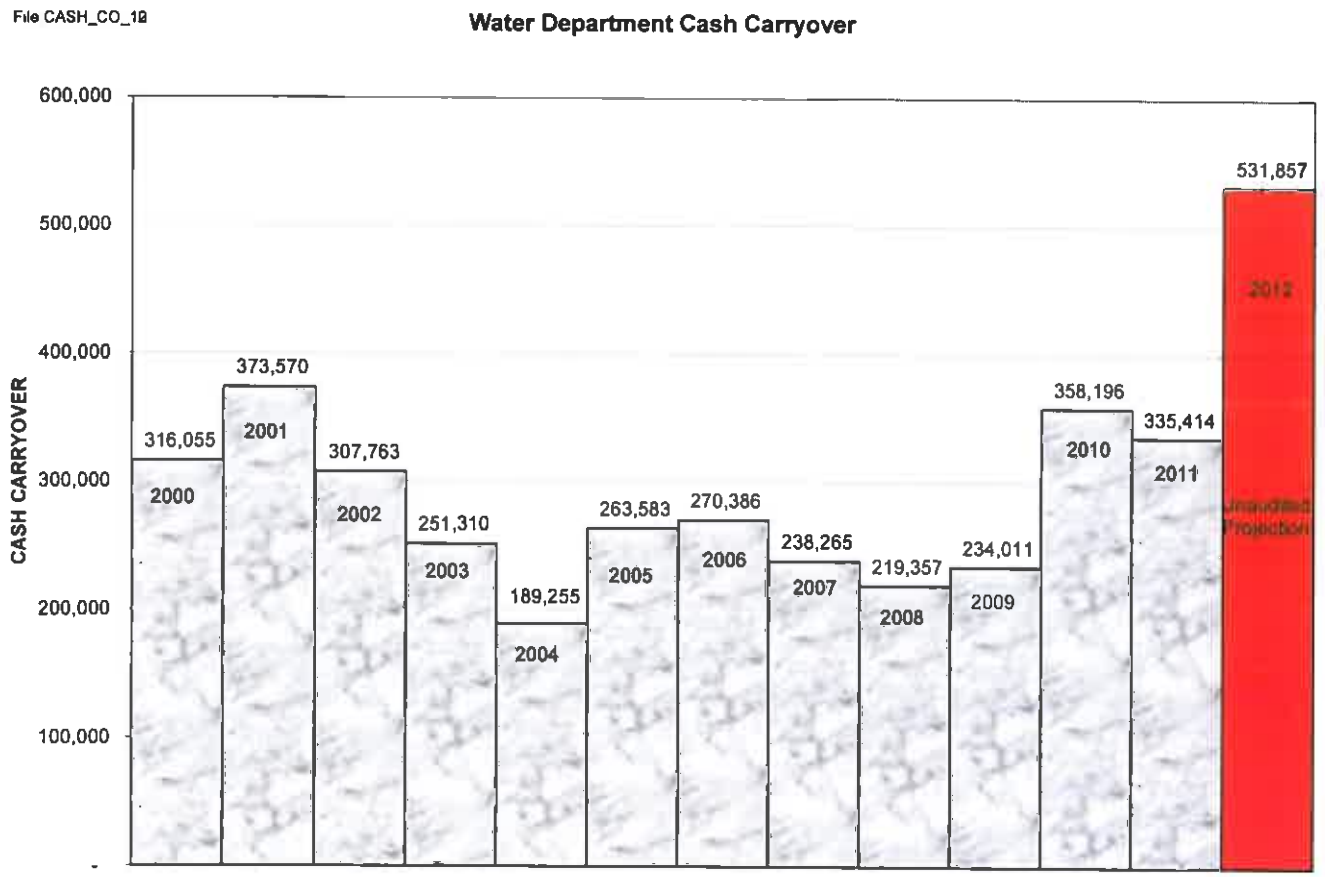
Cash Carryovers

Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. The Water Department is less susceptible to extraordinary expenses than the Electric Department. Three of the factors considered in establishing the minimum CC Benchmark are (1) the extent to which a utility self-insures its assets, (2) the probable cost of rebuilding the critical system assets damaged by a catastrophic event, and (3) the periodic need to finance pay-as-you-go capital improvement projects such as the Water Tower Renovation Project that was completed in 2007, and the Water Tower Painting Project was completed in 2009, which was financed through the Electric Department and will be paid back over the next few years.

Cash carryovers are one of many indicators of the financial stability of a utility. A utility is in good financial condition if the annual cash carryover is increasing at or above the rate of inflation, and adequate to cover the utility's unanticipated emergency expenditures in addition to unbonded capital improvements. When cash carryovers show a continuing downward trend, it's only a matter of time before adjustments to bring revenues and expenses into alignment must be made.

The results of the 2012 audit are not available at this time. The projected cash carry over was calculated from the city's' internal revenue and expenditure reports.

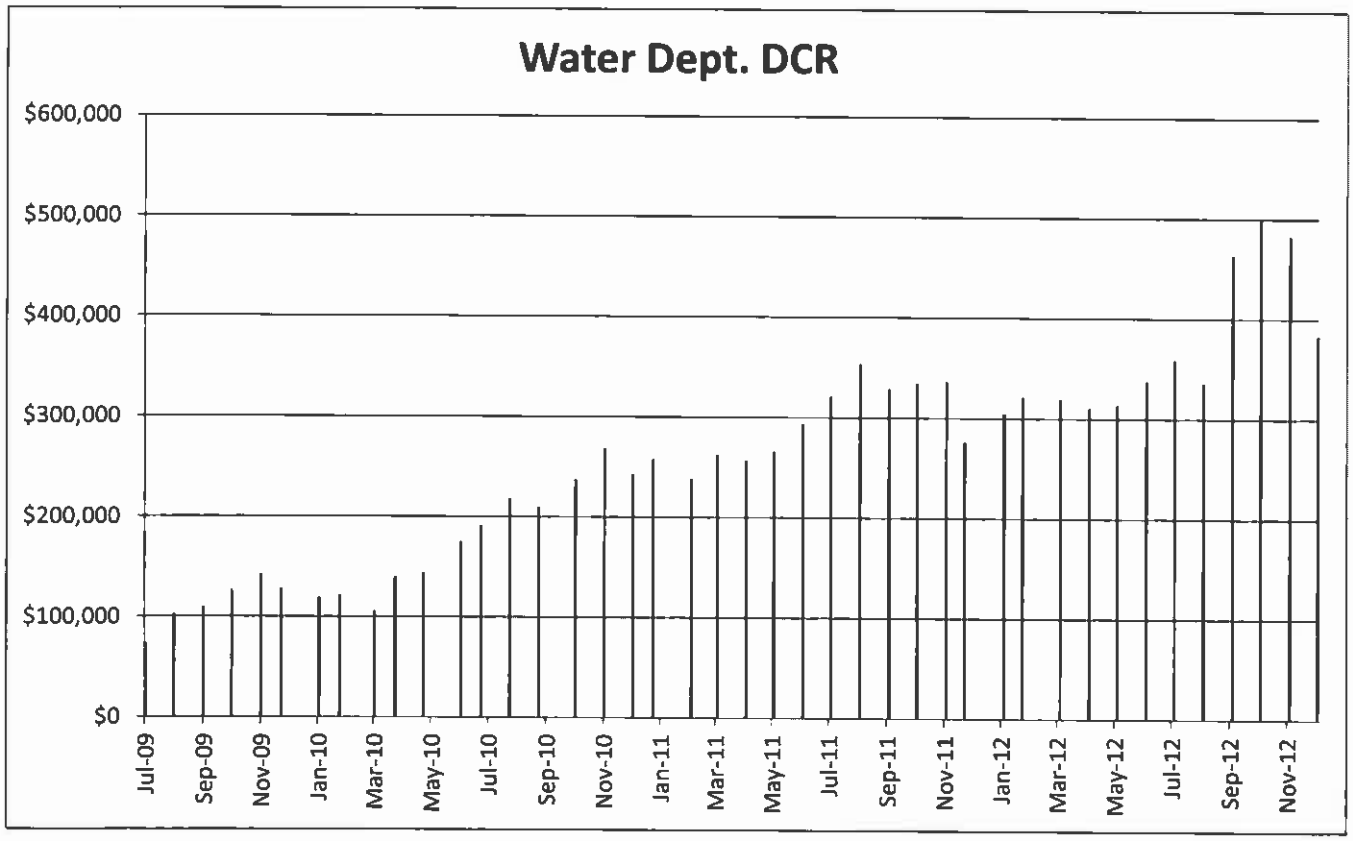
Currently, Cash Carryovers are not adequate to achieve the established Discretionary Cash Reserve benchmark of $400,000. The 2012 gain in CCO of $196,442.83 demonstrates substantial progress toward achieving that goal.



Discretionary Cash Reserve Benchmark

The Discretionary Cash Reserve (DCR) is always less than the Cash Carryover from the Auditor's Report. Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. Due to the unpredictable nature of utility costs, regulatory requirements, and potential water system damage, and the need for improvements, establishing an adequate Discretionary Cash Reserve benchmark, as well as a mechanism to achieve that goal, is important to a water utility. Three of the factors considered in establishing the minimum Discretionary Cash Benchmark are, (1) the extent to which a utility self-insures its assets, (2) the probable cost of rebuilding recovering after a catastrophic event, and (3) the cost of periodic water system improvements and maintenance. In 2004, staff reviewed the various risk factors involved in operating our electric utility, and recommend that a minimum Discretionary Cash benchmark be established at $400,000. We are currently near that recommended benchmark. However, there are several upcoming capital improvement projects that will affect operating costs.

The following chart trends Water Department's share of the various unrestricted cash and investment accounts that the City of Mulvane maintains. At its lowest point in 2012 the DCR was $ 304,094.39, somewhat less than the recommended benchmark of $400,000.



Revenue Line Item Summary Table

Constructing tables of the revenue and expense line items that are the most variable from year to year is a useful tool for understanding how the many different circumstances that are unique to each year affect Water Department profitability.

File.WaterFinance2012SplitRevenues

YEAR	Sales To Customers	Connects Disconnects	Construction Charges	Interest on Investments	Penalties	Tower Antenna Lease	Other Revenues	Total Revenues	Billed to Customers 1000 Gal.	Cost Per Kgal
1999	612,781	2,285	35,900	12,010	6,677	6,050	1,251	676,955	149,965	$ 4.086
2000	684,164	3,873	25,475	10,462	7,472	6,000	4,581	742,026	169,464	$ 4.037
2001	678,256	3,325	37,200	20,217	7,209	6,600	2,265	755,073	167,142	$ 4.058
2002	682,839	2,768	23,400	15,704	477	6,600	1,586	733,373	161,604	$ 4.225
2003	718,206	3,083	25,400	2,888	-	6,600	2,039	758,217	165,370	$ 4.343
2004	691,276	4,353	24,600	2,221	7,427	6,600	888	737,364	157,764	$ 4.382
2005	780,737	5,170	33,600	2,744	10,304	6,600	1,209	840,365	162,217	$ 4.813
2006	850,602	5,310	27,600	8,049	12,434	7,260	667	911,923	170,858	$ 4.978
2007	809,742	5,003	4,500	10,031	10,712	7,260	9,733	856,982	162,534	$ 4.982
2008	766,035	4,843	4,500	7,590	10,279	7,260	(59)	800,447	153,633	$ 4.986
2009	766,884	6,438	4,200	2,534	10,403	7,260	74,889	872,608	155,036	$ 4.946
2010	918,420	5,760	1,200	1,072	11,495	7,260	1,314	946,520	160,009	$ 5.740
2011	889,824	3,413	28,196	1,059	11,523	7,986	6,150	948,150	162,675	$ 5.470
2012	1,092,654	4,225	2,400	700	12,491	7,986	4,698	1,125,152	191,919	$ 5.780

Mild summer weather experienced in 2009 made it unnecessary for most of our customers to irrigate their yards and shrubs. in 2011 the combination of hot weather and drought produced a high demand for water. Water use restrictions were imposed in July which moderated the demand for water.

New home construction had almost ceased in 2007. In 2011 the Homestead Addition added 41 meters to our water system.

Early in 2002, Penalties for late payment were misallocated to the Electric Department. Proper allocation was restored in 2004.

The Water Tower Painting Project was financed with a transfer of $72,573 accounting for most of this classification in 2009.

In March of 2005 the first 2.5% water rate increase of a two step 5% increase was implemented. The remaining 2.5% was implemented with the March 2006 billing. In January of 2010, a rate increase was implemented.

Expense Line Item Summary Table

File WaterFinance2012 SplitRevenues — This spreadsheet was compiled from data from the city's monthly revenue and expenditure reports.

YEAR	Revenues	Water Cost	Personnel Services	Clean Wat. Fee	New Equip.	Line Expense	Other Expenses	Utility Plant Addition	Water Bond	Utility Expense	Total Expenses	Profit/Loss
1999	676,955	263,322	184,273		1,633	7,584	29,150	78,411	95,701	32,381	692,455	(15,500)
2000	742,026	299,203	183,349		1,534	13,321	23,374	45,194	95,086	30,242	691,303	50,723
2001	755,073	278,443	204,865		6,748	3,241	25,631	49,351	100,725	28,744	697,748	57,325
2002	733,373	253,848	297,075	3,696	27,241	19,485	28,071	48,230	96,102	22,627	796,375	(63,002)
2003	758,217	289,834	305,321	4,565	18,959	8,609	47,741	25,720	94,978	21,165	816,892	(58,675)
2004	737,364	280,783	293,300	4,707	19,873	19,518	54,803	1,592	106,061	21,039	801,676	(64,313)
2005	840,365	289,176	252,873	4,869	621	12,889	51,566	24,005	105,142	24,704	765,845	74,520
2006	911,923	309,217	327,240	5,115	4,667	12,003	72,527	41,866	106,140	26,246	905,021	6,902
2007	856,982	297,271	347,079	3,604	2,794	15,450	57,584	52,258	85,295	27,768	889,103	(32,121)
2008	800,447	287,195	282,208	5,814	2,688	22,037	54,982	32,618	86,075	45,738	819,355	(18,908)
2009	886,879	282,327	299,492	4,621	337	92,175	67,982	7,023	82,048	33,909	869,914	16,965
2010	946,520	269,956	309,801	4,803	24,446	21,282	70,841	5,508	82,924	32,774	822,336	124,185
2011	948,150	318,675	326,138	4,941	4,676	27,692	88,299	85,258	82,539	32,714	970,933	(22,783)
2012	1,125,152	310,140	356,030	5,672	7,649	42,086	92,082	22,549	55,693	36,808	928,710	196,443

The increase in Revenues in 2010 was largely due to a rate increase that started in 2010. The record rainfall we experienced in 2008 made it unnecessary for most of our customers to irrigate their yards and shrubs. The low water consumption produced lower than expected water sales revenue. 2011 was a hot, dry year, creating a high demand for water..

The reduction in Personnel Services in 2008 was the result of transferring some of the General Fund wage subsidy from the Water Department to the Wastewater Department. Since the new treatment plant came on line in 2006, the Wastewater Dept. has become larger than the Water Department, and more capable of carrying an equal portion of the General Fund wage subsidy.

The cost of $72,573 for painting the water tower was classified to this line item in 2009.

..In 2010 the Water depart. contributed 21,000 to a Administration Dept. computer Upgrade

The large expenditures in this line item from 1999 to 2002 were largely due to the rapid growth in new customers. In 2007, $38,000 was spent on water tower improvements. In 2008, $18,000 in improvements were made to the pumps and telemetry sys. In 2011, $67,200 was spent on the Well4&5 Emergcency Water Supply Proj.

It cost more for the electricity required to pump water in 2008. Water was pumped into our distribution system continually while the telemetry system was rebuilt. The cost of electricity was at record levels during the first 8 months of the 2008.

The gain in cash carry over that was experienced in 2010 was largely due to a rate increase that took effect in January of 2010. and also higher water consumption due to the dry & hot weather conditions in 2010

The reduction in Personnel Services in 2008 was the result of transferring some of the General Fund wage subsidy from the Water Department to the Wastewater Department. Since the new treatment plant came on line in 2006, the Wastewater Department has become larger than the Water Department, and more capable of carrying an equal portion of the General Fund wage subsidy. The large expenditures in the Utility Plant Addition line item from 1999 to 2002 were largely due to the rapid growth in new customers. New water meters, and materials for services are contained in this line item. In 2007, $38,000 was spent on water tower improvements. In 2008, $18,000 in repairs and additions were made to the pumps, telemetry system and a new water level monitoring & alarm system. In 2011, $67,200 were spent to bring an emergency water supply using wells #4, & #5. There were also expenses incurred from the development of the Homestead Addition.

- The Utility Expense line item is mostly the cost of the electricity required to pump water into the distribution system with the three 100 horsepower pumps. It cost more for the electricity required to pump water in 2008. Water was pumped into our distribution system continually in January while the telemetry system was rebuilt. Also, the cost of electricity was at record levels during the first 8 months of 2008 when the cost of natural gas was at record levels for that time of year.

Emergency Water Supply-Wells #4 & #5

The severe drought of 2011 resulted in water supply problems for the City of Augusta's water utility. After Augusta imposed water restrictions on 7-12-11, staff has been working on a project to return two of our wells to service to act as an emergency water supply to prevent water outages on the Mulvane distribution system.

Above---View looking east from Well #5

Prior to 1992, Mulvane's water supply was served from five wells. These wells pumped water at low pressure through two collection lines into a 500 MG reservoir located at the north end of Boxelder Street. At that location three high service pumps were used to pressurize the distribution system. The well pumps were designed to pump a high volume of water at a pressure of around 20 psi.

Part of the design of the current water system was the provisions to convert the well water collection water lines to part of our water distribution system. Now these water lines are pressurized to around 100 psi. It was not possible for any of the old well pumps to pump water against that much pressure.

At the city council meeting held on 8-1-2011, the council authorized modifying Wells #4 & #5 for use as an emergency water supply. A total expenditure of $95,000 was approved at that meeting for that purpose. A total of $67,200 was spent on this project in 2011. An additional 3,268.71 was spent in 2012 to upgrade the disinfection system to be compatible with Augusta water.

New pumps were installed that will pump under those conditions. The water rights associated with these two wells permit the diversion of nearly 60 million gallons of water per year at a rate of 1000 gpm. That is sufficient to supply out city's full current requirements for four months. The downside of using this source is that the water is about 2 ½ times harder than the water from Augusta. A project is being developed to soften the well water to make it equivalent, to the water that we currently receive from Augusta.

2012 Summary of Water Well Pumping Activity

1. By July of 2012 the City of Augusta was eager for Mulvane to bring the wells #4 & #5 online to help lower the demand on their water system. KDHE granted permission to use the wells on 7-27-12. We started contributing water from that source on that day.
2. We stopped using our wells for the purpose of augmenting our water supply on 10-3-12. We used the wells on one additional occasion from 10-30 through 11-1 as our sole supply of water while the construction project was completed at the 111th St. Reservoir. 16,554,000 gallons of water has been pumped into our water distribution system from our wells.
3. Over the 72 days that the wells were in service, over 33% of Mulvane's water requirement was contributed by wells #4 & #5.
4. The water that we received from Augusta in 2012 totaled 188,666,000.

Customer Complaints

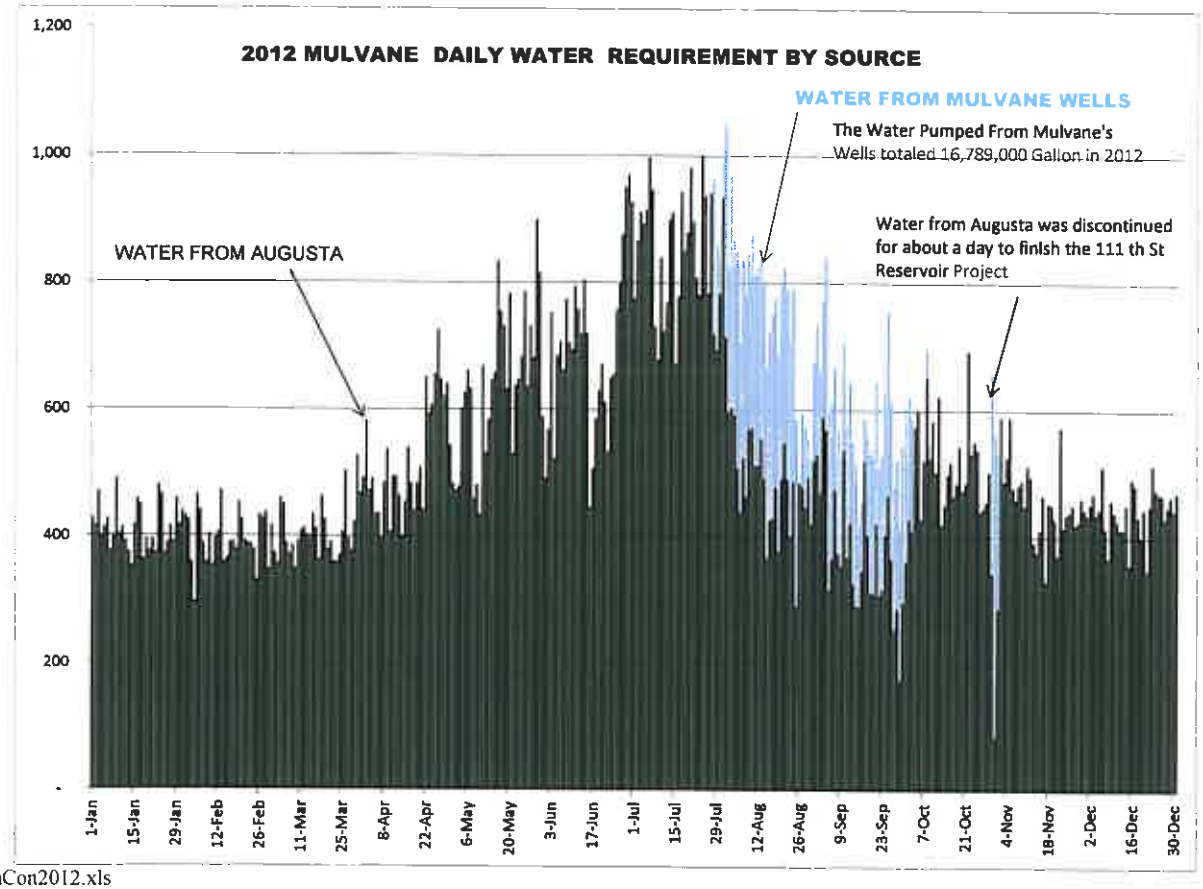
We have received water quality complaints.

Those complaints include;

1. Water spots on glassware and sinks;
2. A light scum on the surface of coffee and tea;
3. Mineral deposits on bathroom and kitchen fixtures;
4. Difficulties and expense in treating the water in cooling towers to prevent scale;

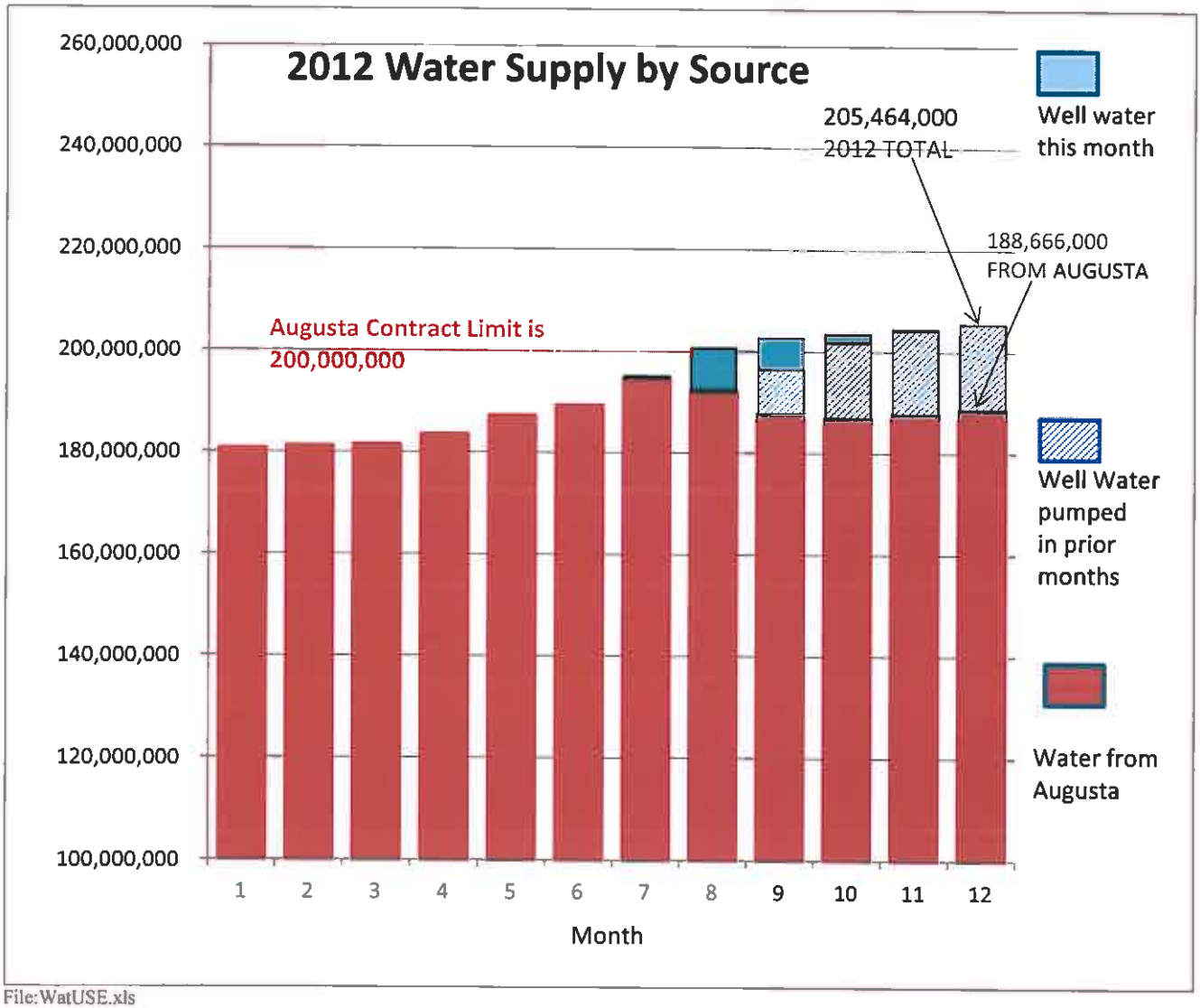
Another documented problem with hard water is that clothes washed in hard water retain "soap curds" that cause clothing to wear out much faster.

The chart below shows the water received from Augusta depicted as black bars.
The water pumped from our wells is shown as aqua bars arranged on top of the Augusta flow bars



File:WaCon2012.xls

The chart below shows the water received from Augusta in 2012 depicted as solid red bars. The contract maximum of 200 million gallons per year from the Augusta source would have been exceeded at the end of August had our wells not been put on line. One of our goals was to not exceed the 200 million gallon limit from the Augusta source. We have the ability to adjust to our pumping rate to respond to the actual conditions that we encounter.



File:WatUSE.xls

- The 2012 water system requirement for our city totaled 205,464,000
- The water that we receive from Augusta in 2012 totaled 188,666,000
- The water that our wells have contributed in 2012 totaled 16,798,000

Projecting the Annual Water Requirements of Mulvane's Water System.

Factors Effecting Water Consumption

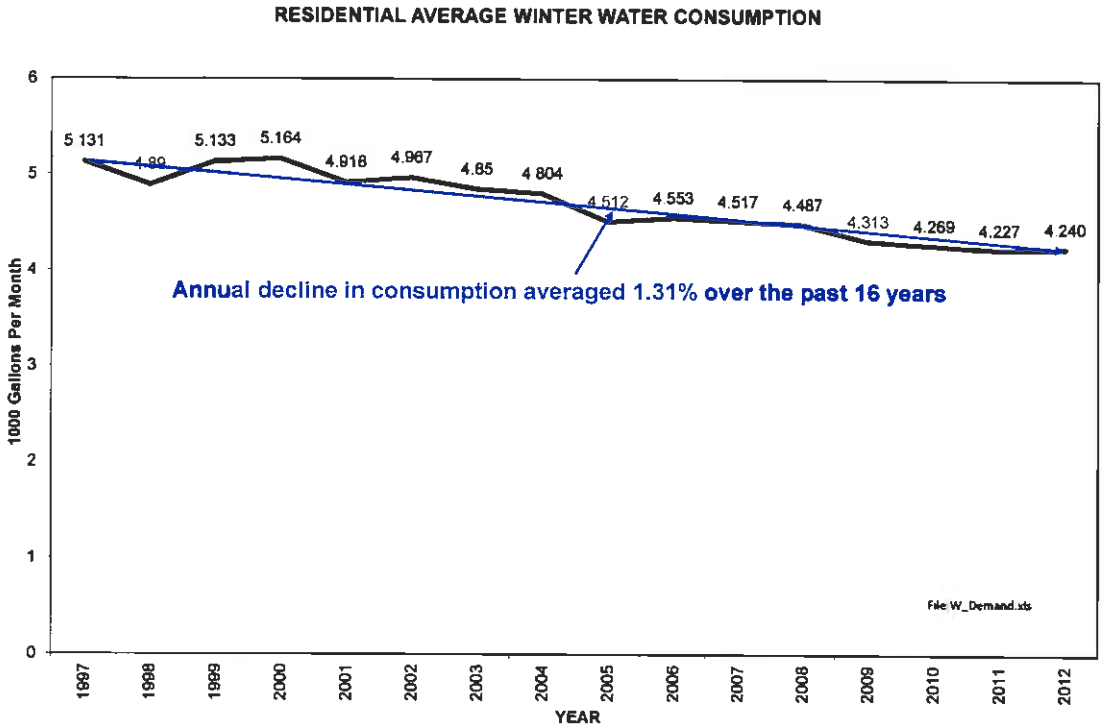
Several factors have been shown to affect the water consumption of our customers.

- Weather conditions, primarily heat and rainfall. Most "discretionary water" is consumed in the summertime to keep lawns and other desirable plant life alive and green.

- Extreme heat dries out the soil faster. Low rainfall periods must be augmented by increased watering. Frequent, high winds also have a drying effect on vegetation.
- Rate increases generally result in a short-lived reduction in water consumption. Customers usually return to their previous consumption habits within a year.
- Adverse economic conditions. Recessions that result in a significant number of layoffs result in a reduction of discretionary water consumption, usually the domestic uses are largely unaffected.

Average Residential Winter Consumption

Examining the winter consumption of customers is a valuable method of determining the efficiency of water use. Outside uses of water are highly volatile due to the influence of weather conditions on irrigation requirements. Very little water is used outside of the home during the winter months. The chart below compares the water usage of our residential customers for the months of December, January, and February since 1997.



Over the past several years, water efficiency gains have been made in several areas. Modern toilets require less water. Water-Saver shower heads are the norm. Many new washing machines and dish washers use less water. As our city grew rapidly from 1997 to 2005, the ratio of new homes, which are equipped with more water saving features, to old homes increased.

Economic conditions must have some effect on the consumption of water however; it is not obvious or quantifiable by observing winter domestic consumption. For example one would expect the recession of 2002 to produce a decline in usage in 2002. Our customers used slightly more that year. Also one would have expected less usage in 2006, following the rate increases of March, 2005. Again, a slight increase occurred. However, the total annual usage in those years did decline. Apparently, domestic indoor uses of water are not substantially affected by economic conditions, while outdoor discretionary uses may be affected. Overall, the average decline of residential winter consumption has averaged 1.53% over the past 14 years. The trend toward water conservation has led to a loss in water revenue, and is one factor that has created the need for rate increases in many water utilities.

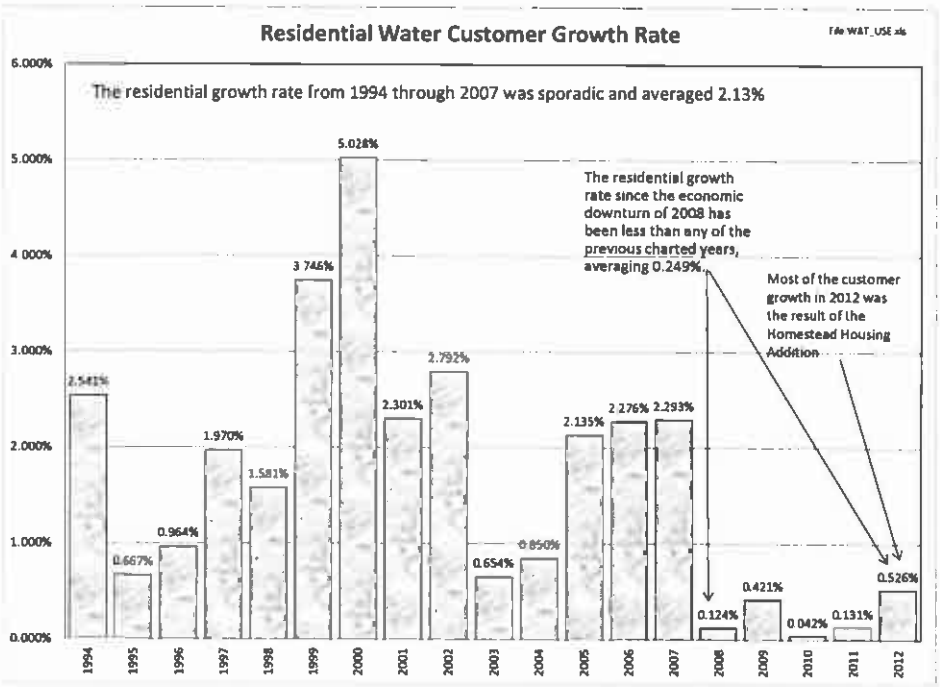
Water Losses

In every water system water is lost to leaks, intentional flushing, theft, and other unmetered uses. In 2012 our water losses were only 6.59%. This is very a low number, indicative of a tight, well-maintained system. Many water distribution systems lose 20%, some as much as 50%.

Water System Losses	File:Yr_End2012.XLS
Water Produced & Procured	205,464,000
Billing Total	191,919,000
Total water Lost	13,545,000
Water Loss %	6.59%

Customer Growth Rate

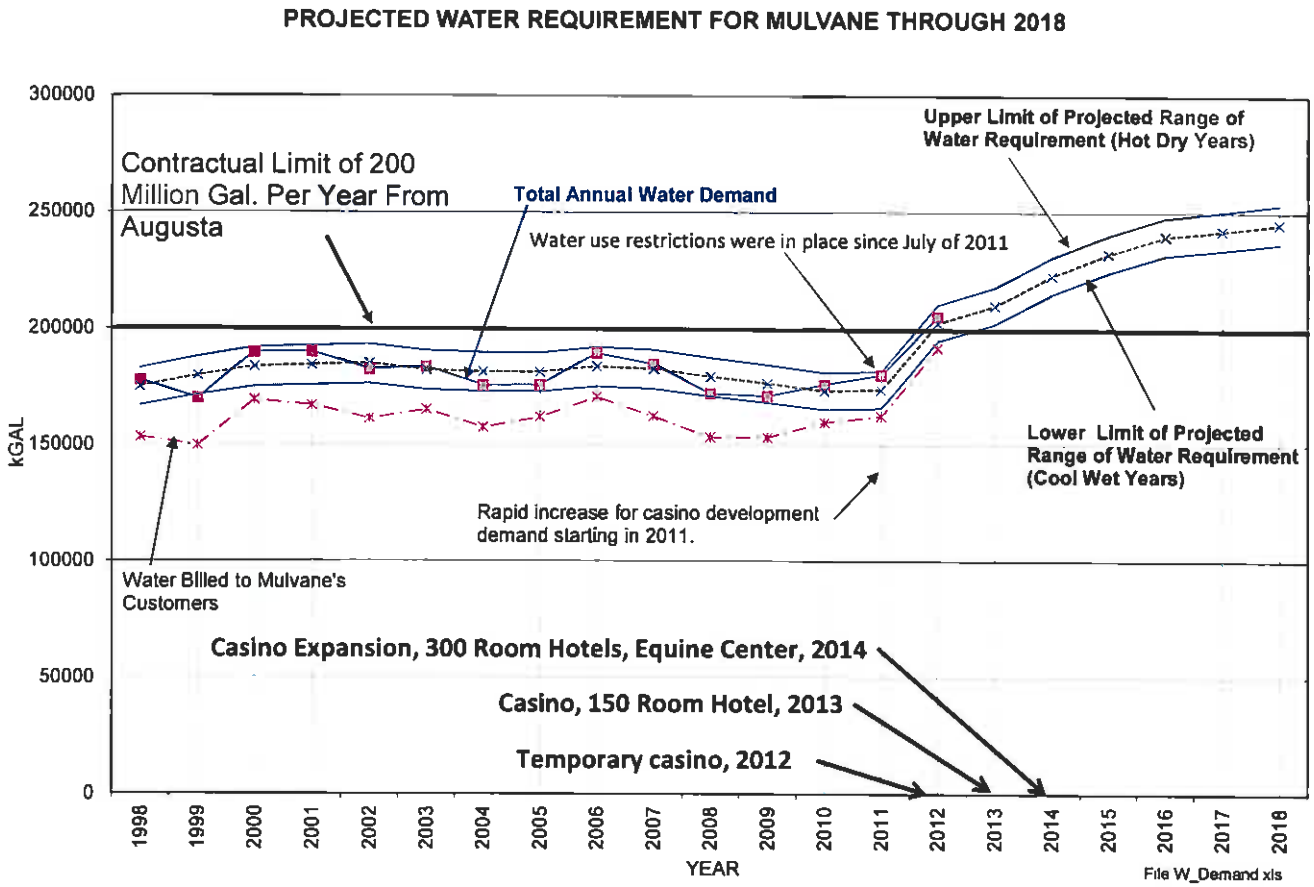
The Following chart was compiled from "customer counts" using our utility billing records. Mulvane's residential growth rate has been sporadic. Several factors influence the growth of a community. Proximity to jobs, quality & availability of educational opportunities, availability of developable land, cost of building, esthetics of the community, and amenities available are a few.



1999 and 2000 are two years that experienced the highest growth rate of the charted years. The Country Walk Apartments were under development during those years, and was a significant factor in the city's utility customer growth rate.

Although Mulvane's growth rate has been stagnant for the previous four years, the forty unit Homestead Retirement Housing development provided some growth in 2012. An additional forty unit apartment complex is planned, and designed, but was put on hold a few years ago.

Projected Annual Water Demand Summary Chart



From 2001 to 2010 there was a general trend of declining water demand. This trend has been the result of slow customer growth and the greater use of water saving appliances. In 2012, the growth of water consumption exceeded Mulvane's current contractual limit of 200,000,000 gallons per year from Augusta in 2012.

Assumptions for projecting Mulvane's annual water demand.

1. Annual customer growth rate of 1.8%.
2. The annual reduction in residential water use attributed to low water consumption household appliances will gradually decrease and cease in the year 2020.

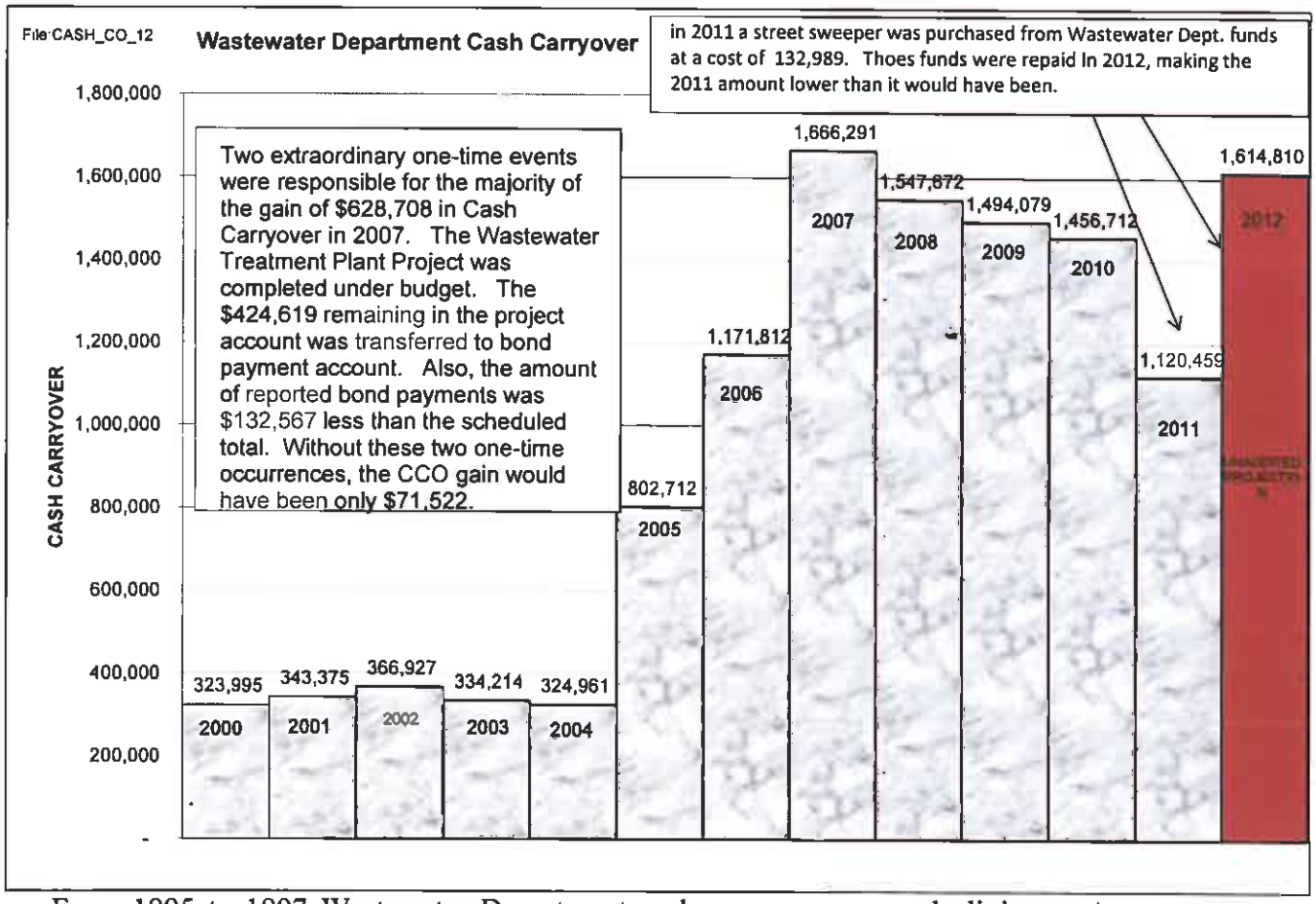
WASTEWATER DEPARTMENT

Wastewater Department Financial Condition

Cash Carryovers

Cash Reserves are necessary in any well run business in order to smooth the normal ebb and flow of revenues and expenditures, to meet extraordinary one time requirements, and to provide time for adjustment to new and unanticipated operating conditions. The Wastewater Department is less susceptible to extraordinary expenses than the Electric Department.

Cash carryovers are one of many indicators of the financial stability of a utility. A utility is in good financial condition if the annual cash carryover is increasing at or above the rate of inflation, and adequate to cover the utility's unanticipated emergency expenditures in addition to unbonded capital improvements. When cash carryovers show a continuing downward trend, it's only a matter of time before adjustments to bring revenues and expenses into alignment must be made.



From 1995 to 1997 Wastewater Department cash carryovers were declining. A new sewer tap permit fee of $900 was implemented, stabilizing the cash carryovers until 2005.

In anticipation of the financial impact of building a new Wastewater Treatment Plant (WWTP), the Council approved a three step rate increase designed to match revenues to the projected cost of owning and operating the new wastewater treatment facility. The third rate increase was rescinded by the City Council at the recommendation of staff. We decided to give some of the leftover project funds, that were earned by completing the new Wastewater Treatment Plant Project under budget, back to our rate payers. We can accomplish that by operating at a loss for a few years before implementing the final rate increase associated with the WWTP project.

The new Wastewater Treatment Plant was financed by two separate bond issues. The first bond issue was in 2005. The second bond issue was in early 2006. The full effect of these increased bond payment was scheduled to begin in 2007.

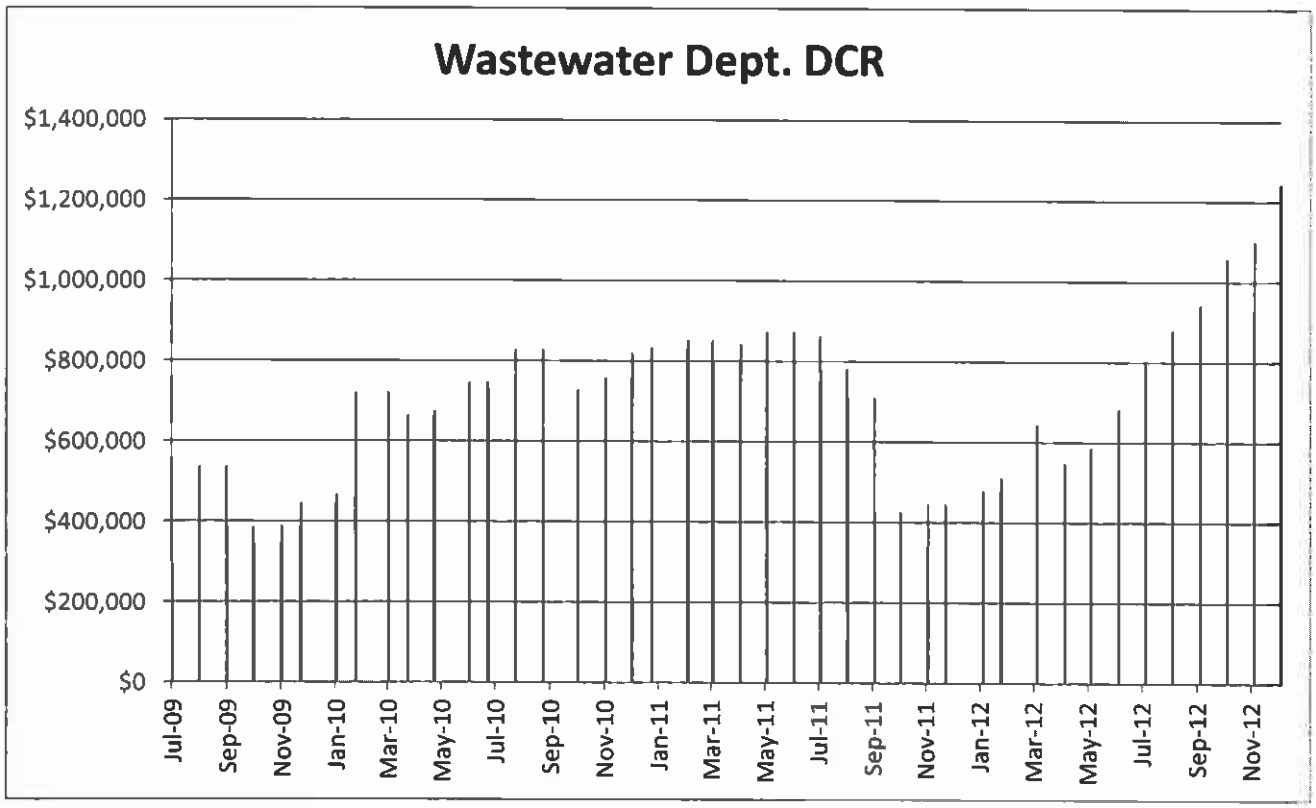
Two extraordinary one-time events were responsible for the majority of the gain of $628,708 in Cash Carryover in 2007. The Wastewater Treatment Plant Project was completed under budget. The $424,619 remaining in the project account was transferred to bond payment account. Also, the amount of reported bond payments was $132,567 less than the scheduled total.

2012 Wastewater Utility Fund Activity Summary	
2012 Revenue (from all activities)	**$ 1,672,281.60**
2012 Expenditures	**$ 1,177,930.19**
Cash Carryover Gain Accumulated in 2011	**$ 494,351.41**

Discretionary Cash Reserve Benchmark

The Discretionary Cash Reserve is always less than the Cash Carryover from the Auditor's Report. Staff has reviewed the various risk factors involved in operating our wastewater utility, and recommend that a minimum Discretionary Cash benchmark be established at $400,000.

The following table represents a snap shot of the Wastewater Department's share of the various cash and investment accounts that the City of Mulvane maintains as of December 31, 2011.



For the purpose of issuing bonds, the three Utility Department divisions were combined several years ago. This combining made it possible to reserve funds in any ratio between the three utility divisions as long as the total was adequate. Before 2011, the Electric Department carried more than its share of bond reserves. The Wastewater department carried less than its share.

In 2011 some Revenue Bonds were refunded into General Obligation Bonds. After corrections were made, an additional bond reserve of $93,496 was required.

Summary of Revenue Line Items

Some of the significant revenue line items for the Wastewater Department are summarized in the following table.

File:WastewaterFinance2012 This spreadsheet was compiled from data from the city's monthly revenue and expenditure reports.

YEAR	Total Sales to Cust.	Penalties	Interest	Sewer Tap Fees	Bond Proceeds	Other Revenues	Total Revenues From Oper.	Total Expenses	Profit
1997	322,912	3,372	14,253	2,900		14,721	358,158	379,142	(20,984)
1998	369,948	3,847	12,794	52,200		(1)	438,788	408,621	30,167
1999	410,252	4,456	13,500	63,900		(91)	492,017	460,183	31,834
2000	435,073	4,939	13,814	37,800		36	491,662	494,581	(2,919)
2001	430,197	4,729	10,518	51,400		523	497,367	481,371	15,996
2002	444,210	338	11,460	32,600		(33)	488,575	418,165	70,410
2003	439,415	-	8,504	35,100		-	483,019	511,376	(28,357)
2004	443,776	6,313	2,154	35,200		3,682	491,124	505,769	(14,645)
2005	716,718	8,760	8,966	47,700		(0)	782,144	550,123	232,021
2006	1,084,284	10,635	35,524	38,000		133,901	1,302,344	972,085	330,259
2007	1,155,228	12,347	47,676	4,500		424,621	1,644,372	1,149,893	494,479
2008	1,140,147	12,093	48,126	4,500		(62)	1,204,804	1,323,431	(118,627)
2009	1,127,686	12,239	15,477	7,200	805,156	2,955	1,970,713	2,024,306	(53,593)
2010	1,284,280	13,502	5,322	3,600		1,970	1,308,675	1,395,496	(86,821)
2011	1,232,595	13,556	4,619	13,500		111,756	1,376,027	1,414,329	(38,302)
2012	1,516,760	14,695	1,768	2,70		136,358	1,672,282	1,174,983	497,299

A rate increase went into affect in March of 2010.

Rebounding interest rates will in an increase in interest income someday..

Two apartment complexes have shown interest in building in Mulvane lately. That would result in a substantial increase in .Sewer Tap Fees.

Bond proceeds generated from the bond refunding in 2009 are a significant factor in 2009.
.

The gain (profit) of $497,289 is not indicative of the future probability of the Wastewater Department. Bond payments will be $250,000 higher in 2014 and beyond.

Summary of Expenditure Line Items

Some of the significant Expense line items for the Wastewater Department are summarized in the following table.

File:WastewalerFinance2012 This spreadsheet was compiled from data from the city's monthly revenue and expenditure reports.

YEAR	Salaries	Payroll Tax	New Equip.	Plant Addition	Line Expense	Insurance	Utility Expense	Bond Payment	Eng. Sevc	Cost of Issueance	Other Expences	Total Expenses
1997	147,527	39,919	26,035	3,104	5,395	2,826	23,740	73,298	355		56,943	379,142
1998	146,714	40,195	5,917	5,630	5,189	2,456	23,900	117,382	-		61,238	408,621
1999	160,084	37,674	3,755	6,340	40,468	3,824	24,373	115,428	3,600		64,637	460,183
2000	179,776	43,508	4,257	13,842	18,027	3,849	24,868	113,901	32,113		60,440	494,581
2001	171,784	43,625	37,558	16,875	8,002	4,312	24,860	113,901	-		60,454	481,371
2002	158,556	39,628	(8,239)	5,796	20,218	4,531	25,246	113,901	600		57,928	418,165
2003	184,442	44,174	23,283	11,863	8,867	8,181	25,858	113,901	5,995		84,812	511,376
2004	161,928	50,396	6,086	2,478	7,593	9,232	26,598	126,684	480		114,292	505,769
2005	167,754	51,930	7,068	60,505	9,544	10,236	32,551	124,716	5,477		80,343	550,123
2006	204,883	65,088	38,011	6,082	10,773	15,069	39,969	455,978	-		136,232	972,085
2007	223,496	72,358	10,686	2,774	41,911	11,208	77,690	483,353	-		226,417	1,149,893
2008	296,702	94,721	61,468	5,081	42,979	15,617	87,261	615,388	-		104,214	1,323,431
2009	316,631	100,085	2,230	4,370	6,609	15,779	77,668	1,404,736	-	11,506	84,692	2,024,306
2010	321,839	105,525	46,938	13,290	47,112	17,064	79,032	615,016	-	47,197	102,484	1,395,496
2011	340,534	108,603	1,899	6,357	14,930	16,791	78,994	615,100	-		231,120	1,414,329
2012	387,999	125,693	4,350	29	36,223	33,314	107,297	323,592	-	-	156,485	1,174,983

Purchased new Industrial Vacuum Unit in 2006, new sewer camera in 2008, And Easement Machine in 2010

$132,989 for Int Finance in 2011

Refunding some of the wastewater revenue bonds resulted in lower payments in 2012, and 2013. Bond payments will revert to previous levels in mid 2013

It became necessary to add a third employee to our wastewater staff in October of 2005. By 2008, the size of the Wastewater Department has grown from 11.49% to 18.47%, when compared to the other utilities. The wage and benefit subsidy contributed by the Wastewater was increased from 10% to 20% in 2008 for most Administrative Department Personnel.

Adding our new Wastewater Treatment Plant to our insurance coverage resulted in higher premiums starting in 2006.

The new wastewater treatment process uses more energy than the old process. The plant came on line in August of 2006. Any additional loading from a casino will require additional energy.

WASTEWATER PLANT ACTIVITY

Wastewater Treatment Plant

In 2012, most of our focus and efforts were directed toward the successful completion of converting to a different wastewater treatment process that is designed handle the waste from the Kansas Star Casino. Casino wastewater has much higher concentrations of nitrogen pollutants compared to normal domestic wastewater. The new additions to our treatment plant that were completed in 2012 include the following;

- A Head Works Building that removes debris and grease from the casino wastewater.
- An Equalization Basin to store the casino wastewater flow so that can be discharged into the treatment process at an even rate. Weekend and holiday casino flows are much higher than typical weekday flows.
- An Anoxic Basin that provides the biological conditions necessary to remove the high concentrations of nitrates.
- A third Schreiber Process train.

Plant Performance

Our Wastewater Treatment Plant processed 146,590,000 gallons of wastewater in 2012. The performance of the new plant has been excellent considering all of the process interruptions that took place during the construction of the recent improvements.

Equipment Building

A new equipment building was completed in 2007. This provided the Wastewater Department the ability to store all of their equipment at the treatment plant site, and relieve overcrowding at the Public Works Building located at 410 West Bridge Street. In 2007 we relocated the trailer mounted jetter, sludge truck, Kubota tractor, trailer mounted vacuum unit, camera unit, hose reel irrigation equipment, and Wastewater Department truck to the new equipment building. To make the most efficient use of labor, the slow moving equipment must be stored as close to the point of use as possible. Having the employee parking, the time clock, and the Equipment Building in close proximity was an important consideration to improve efficiency. On site storage of equipment also minimized the risk of traffic accidents associated with traveling on K-53 unnecessarily.

Equipment Purchase History

In 2010 an easement machine was purchased for $46,000. Easement machines extend the capabilities of high pressure hydraulic sewer cleaners by allowing access to areas that are inaccessible to our trailer mounted sewer jetter. These areas include hillsides, creek beds, wooded areas, and fenced areas behind homes and businesses. There are many areas of Mulvane where it is not practical to park the sewer cleaning machine close to the manhole. Under those conditions the heavy hose must be drug by hand from the street to the alley or easement behind the property. It is a physically demanding task. We used to borrow two to three additional employees from other divisions to help with the task. Using this type equipment greatly reduces the need for exposing employees to the risk of back and leg injuries due to hose drags. Easement machines also provide the operator with the versatility of a hydraulically operated hose real adjacent to the manhole where the operator can observe the action of the cleaning equipment and have accurate indication of the distance from the manhole to the cutting head. We used this machine in 2010. We are very pleased with its performance.

In 2008, the Wastewater Department purchased a new video inspection system. This system has proven itself to be a valuable upgrade for the city. We now have the ability to camera sewer mains quickly, with far less labor than the old unit required. A large percentage of the roots that obstruct our sewer mains find their way there through the customer's service lines. We are currently in the process of compiling the information learned from the camera inspection project into a Microsoft Access database. This database will help focus our collection system maintenance efforts in the areas that have the greatest need.

In 2006 a trailer mounted industrial vacuum unit was added to our fleet of equipment. Industrial vacuums have sufficient vacuum to lift heavy debris several feet. Utilities use industrial vacuum units in a variety of ways. Cleaning the grit from the manholes in our sewer collection system and removing the grease that accumulates in lift stations has been the primary use. We avoided spending several thousand dollars each year by using the vac-unit to remove lift station grease instead of using the expensive chemicals that we used in prior years. Using this equipment greatly reduces the need for exposing employees to the risk of confined space entries. The potential for lethal gases makes entering a manhole the most dangerous job that our city has.

Another use that is rapidly gaining popularity is excavating. Using this method avoids damage to underground pipes and wires. The type vac-unit that we purchased is equipped with 4,000 PSI water pressure tools that rapidly dislodge dirt while the vacuum hose deposits the dirt in the 500 gallon spoils tank that is easily dumped at the location of our choosing. Our Vac-Unit has proven to be a valuable asset to the Water Department and Electric Department as well as the Wastewater Department.

In 2001, a new jet rodder was purchased and put in service. This equipment is capable of doing a very good job of clearing sewer mains and removing roots. In 2009, around a third of our collection system was cleaned. We clean most lines on three year intervals and some problem lines on 90 day intervals.

WASTEWATER DEPARTMENT COLLECTION SYSTEM ACTIVITY

Sewer Main Rehabilitation Projects.

Much of our sewer system was constructed around 100 years ago. At that time, the common method of sewer construction incorporated clay tile pipe. The fact that it has lasted this long is a testament to its durability. However, clay tile pipe has some significant shortcomings compared to the modern PVC plastic pipe used today.

The joints don't seal very well, leading to ground water inflow when the water table is high, as well as root intrusion. It's prone to cracking. Sometimes chunks of pipe will fall out, leaving exposed earth.

Over the past thirty years, trenchless techniques for sewer main repair have been perfected. The rehabilitation process, known as Cured In Place Pipe (CIPP) or Deform-Reform, is accomplished by inserting a resin-impregnated flexible felt tube into the existing sewer main. This tube is inflated with compressed air and cured with steam, or hot water to form a monolithic, structural-grade lining inside the existing pipe. This new lining seals out tree roots and groundwater infiltration. This process reduces maintenance requirements and extends the useful life of the sewer main. After the new lining is in place, a robotic camera and router is used to cut new openings for the customer's service lines.

Much of our 100 year old system is in remarkably good condition. We have identified and prioritized a few areas of our system that need repair.

In 2007, we completed our first CIPP project. The sewer main that was rehabilitated was about 1,300 feet in length, and located between Main Street and Mulvane Street, east of Olive Street. That project cost $37,050.00.

In 2009, a section of sewer main 1,234 feet in length was rehabilitated. It is located between Main Street and Mulvane Street, west of Olive Street extending to Central Street. That project cost $34,798.80, and was encumbered in the 2008 budget.

We intend to use our best efforts select a few areas that are in need of rehabilitation each year, and gradually improve Mulvane's Wastewater Collection System to preserve its condition for future Mulvane residents..

In 2010, two sewer main sections totaling 1,728 ft. in length were contracted for CIPP renovation at a total cost of $38,707.20. Those sections are located between Edgewood and Edgemoor Streets, and between First and Edgewood Streets.